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QUARTERLY STATISTICAL AND ECONOMIC REPORT
STATE OF HAWAII

October-December 1981

RESEARCH AND ECONOMIC ANALYSIS DIVISION

DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

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QUARTERLY STATISTICAL AND ECONOMIC REPORT
STATE OF HAWAII

October-December 1981

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This quarterly report has been prepared by the Research and Economic Analysis Division of the Department of Planning and Economic Development (DPED). The purpose of the report is to present information and analysis concerning current statistical and economic trends affecting Hawaii. Technical notes and source descriptions have been kept to a minimum. However, the staff of the Research and Economic Analysis Division will be happy to respond to any inquiries of a technical nature that readers may have (548-3062).

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1. THE ECONOMY -- HIGHLIGHTS AND OUTLOOK

Hawaii's economy remained relatively flat through the third quarter of 1981 with business activity generally just keeping up with inflation rather than managing any real gain. At the national level the recession that began in the second quarter of the year deepened in the fourth quarter, and was expected to extend through the first quarter of 1982. The combination of high interest rates and recession also threatened to undermine the Reagan Administration's far reaching program of tax reductions and budget cutbacks which became effective on October 1, 1981.

Current Economic Activity; Hawaii and the Nation

The current stagnation in Hawaii's economy is reflected in the job counts in Hawaii's various industries this year compared with last year (Table 6). The overall number of non-agricultural jobs during both the third quarter and the first nine months of 1981 were slightly below the corresponding periods of 1980. For the first nine months of 1981 declines in numbers of jobs occurred in the hotel industry (down 3.5 percent from the first nine months of 1980), wholesale and retail trade (down 1.3 percent in total) construction (down 1.2 percent), and manufacturing (down 3.1 percent). Countering these declines have been gains in service jobs other than hotels (up 1.1 percent from the January to September 1980 period), and finance, real estate, and insurance jobs (up 2.5 percent).

Tax collection data (Table 1) also paint the picture of a weakened state economy resulting from the decline in tourism, low raw sugar prices and a sluggish national economy. General excise tax collections have increased only 9.4 percent in the first nine months of 1981 over the comparable 1980 period. Likewise net individual income tax collections are up only 3.1 percent and net corporate income tax collections up just 1.7 percent for the first nine months of the year. By comparison the increase in the Honolulu Consumer Price Index (CPI-U) has averaged about 11 percent during the first nine months of 1981 compared with the same 1980 period.

Hawaii's visitor industry completed the third quarter of the year on a down note as the total number of visitors to the state declined 2.2 percent from the same quarter a year before (Table 9). The problem continued to be weakness in westbound travel from the Mainland and Canada which was down 4.1 percent in the third quarter. Strength in eastbound visitor traffic (from Asia and the Pacific) continued during the quarter at a rate of 4.3 percent over the same quarter a year earlier. For the first nine months of 1981 westbound travel declined 3.1 percent from a year earlier, eastbound travel increased 6.7 percent, and the overall total was down 0.9 percent from 1980's first nine months.

This year's downtrend in the number of westbound visitors to the Neighbor Islands also continued through the third quarter. Hardest-hit Hawaii County experienced an 17.7 percent decline in visitors during the July-September period. Westbound visitors to Maui County declined 7.8 percent in number from the third quarter of last year while the total for Kauai County dropped 11.1 percent.

Hawaii's construction industry has weathered the high interest rates and a weakened economy in 1981 surprisingly well, even though activity has apparently declined somewhat from last year. The number of full-time equivalent construction jobs was 21,950 during the third quarter, 2.7 percent less than in the same quarter a year earlier. (For purposes of this comparison, the jobs of about 5,500 construction workers on strike during September 1980 are included in the 1980 third quarter job total.) However, the immediate future for construction does not appear bright, as the number and value of new construction authorizations have fallen below last year's levels. The number of newly authorized residential units (Tables 16 and 17) declined by 30 percent in the first nine months of 1981 from the same period a year earlier -- a 31 percent decline in single-family units and a 30 percent decline in the number of new multi-family units.

The value of new commercial construction authorizations weakened considerably in the second and third quarter of 1981 (Table 14). However, due to the generally longer construction periods required for commercial construction, the actual amount of work currently being performed in that sector based on previous authorizations is probably quite large.

Personal income increased at an annual rate of just 6.7 percent between the first and second quarters of 1981 measured in current dollars. This represents a further slowing of the rate of increase in personal income from the modest 8.7 percent annual rate in the first quarter.

Hawaii's April 1, 1980 census count of total resident population has been revised slightly from 965,000 to 964,691 and a preliminary estimate has been made for total resident population on July 1, 1981 of 989,000 (Table 28). In addition, new 1980 census information concerning the age, sex, and racial distribution of the State's population is now available (Table 31).

Nationally, real gross national product (GNP) increased at an annual rate of 0.6 percent in the third quarter of 1981. This slight third quarter gain followed a 1.6 percent annual rate of decline between the first and second quarters of 1981. As the fourth quarter began, the nation's unemployment rate jumped from 7.5 percent in September to 8.0 percent in October, indicating a deepening of the recession. A decrease in the prime interest rate from over 20 percent in September to 16-1/2 percent by mid November provided further indication that business activity was continuing its decline into the fourth quarter. Other indicators including the Commerce Department's Index of Leading Indicators, also suggested a deepening recession.

The "Economic Recovery Act of 1981" became law on October 1, 1981, at the same time the austere 1982 Fiscal Year Federal Budget went into effect. The Economic Recovery Act featured a 25 percent personal income tax reduction to be phased in within the next two years, beginning with an immediate 5 percent reduction. The legislation also created special tax exempt "All Savers Certificates" and individual retirement plans, designed to encourage savings, and included numerous incentives for business to increase investment. However, the recession is dampening the prospects of increased investment in the near future and less tax revenue is being realized as a result of the recession. Projections of the FY 1982 deficit have already been revised upward unofficially from $43 billion to as much as $80 billion.

Outlook for the U.S. Economy

Evidence is mounting that the current recession will deepen in the fourth quarter and extend into the first quarter of 1982. So quickly has the economic situation at the national level deteriorated that most forecasts are behind in reflecting more recent trends. However, even before the discouraging September and October economic data were announced, most forecasters were revising downwards their expectations for 1982 economic performance.

The UCLA business forecast for the nation of September (Table 2) reflects an increase in real 1982 GNP of only 2.2 percent, just slightly better than the 2.0 percent growth expected for 1981. This expectation will probably be revised downwards in the December forecast as October and November economic data are taken into account.

As the recession continues, short-term interest rates and inflation can be expected to decline further. Long-term interest rates, however, will probably continue to reflect the long-term outlook for inflation. Assuming leaders maintain a rate of return on long-term funds of 2 to 3 percent over inflation, the current long-term rate of about 14 percent on high quality corporate bonds reflects an expected long-term inflation rate of about 11 to 12 percent per year. Inflation as measured by the GNP deflator has averaged less than 9 percent per year for the first three quarters of 1981. Thus, there is currently room for some reduction in long-term interest rates if a consensus develops that inflation in the long run will average no higher than its present rate. However, it may take many more months of reduced rates of inflation before such a concensus prevails.

The DPED Economic Forecast for Hawaii

Preliminary DPED economic forecasts for 1982 and 1983 appear in Table 3 accompanied by expected 1981 results. 1/ A more detailed look at the forecast for construction appears in Table 4, while the assumptions underlying the forecasts are shown in Table 5. The three alternative forecasts are generated by the DPED's computerized econometric

forecasting model for Hawaii, based on assumptions about tourism, inflation, interest rates, and other outside forces. The "base" forecast reflects a set of predictions for these outside forces that appear most likely in the judgment of DPED economists. The "higher" and "lower" alternative forecasts reflect a set of predictions of a more optimistic or pessimistic nature that could occur but were considered less likely at the time the forecasts were prepared. The purpose of the higher and lower alternative forecasts is to show the reader how the economy might be expected to react under conditions more or less favorable than expected.

The general no-growth pattern that has characterized Hawaii's economy during the first nine months of 1981 is expected to continue through the remainder of the year. While the total number of visitors to Hawaii in 1981 may show a small decline from 1980, real visitor expenditures are expected to be about the same as the year before. This is due to an increased average length of stay and a higher proportion of eastbound visitors whose average expenditures per day are higher than westbound visitors. A gain of about 3 percent in real visitor expenditures is anticipated in 1982. It is expected that more stable air fares and a reduced rate of inflation anticipated in 1982 will help off-set the negative effect of the current recession on travel. Assuming improvement in the national economy later in 1982 and 1983, tourism to Hawaii in 1983 is assumed to grow about 6 percent in terms of real visitor expenditures.

The number of jobs and level of real personal income in Hawaii in 1981 are expected to be only slightly above 1980 levels. Some improvement in the growth in jobs is expected to occur in 1982 and accelerate in 1983. Growth in total real personal income is expected to be under 1 percent in 1981 and 1982 before accelerating in 1983 to about a 2 percent gain over 1982.

Construction has declined only modestly during 1981 in the face of record high interest rates. The industry is expected to show a decrease of about 2 percent in overall real value of construction for 1981 compared to 1982. However, the impact of the decrease in residential authorizations for new construction is expected to impact on the industry by early 1982 and result in an overall decline of about 4 percent in real value. As Table 4 indicates, the level of commercial construction in 1982 should show some gain over 1981. In 1983 it is anticipated that construction will turn upward as hotel construction experiences an upturn and residential construction stablizes.

1/ DPED's more formal, annual forecast for 1982 utilizing additional fourth quarter economic data will be prepared in December.

General excise and use tax collections are expected to increase about 10 percent in fiscal years 1982 and 1983. The $100 per person tax credit authorized by the 1981 Legislature is the primary reason for an expected decline in general fund tax revenue in 1982 of almost 1 percent from 1981. This decrease is expected to be followed by a 19 percent increase in 1983. The rate of increase in consumer prices is expected to slow from about 10.0 percent in 1981 to 8.5 percent in 1982 and to about 7.0 percent by 1983.

Sales in the pineapple industry are expected to show modest real growth through 1983. However, due to the highly uncertain outlook for sugar sales, the tonnage of raw sugar sales is simply held constant between 1981 and 1983 with a prevailing market price of about 19 cents per pound in 1981 and 18 cents per pound in 1982 and 1983.

Table 1.-- COLLECTIONS OF KEY STATE TAXES AND GENERAL FUND TAX REVENUES: CALENDAR YEARS 1970 TO 1981

[Thousands of dollars.]

Year	General excise and use tax	Net individual income tax 1/	Net corporate income tax 2/	Revenues to State general fund
1970	172,289	112,019	13,241	337,216
1975	301,475	178,922	37,310	585,701
1978	392,236	239,587	25,597	749,216
1979	466,535	287,163	37,771	890,442
1980	527,306	335,670	43,912	1,008,886
1980 1st Q	128,063	84,993	10,765	239,524
2nd Q	137,297	80,988	16,590	270,224
3rd Q	132,181	84,052	12,089	254,960
4th Q	129,765	85,637	4,468	244,178
1981 1st Q	134,737	83,224	10,042	244,361
2nd Q	152,233	81,655	20,354	294,415
3rd Q	147,969	92,788	9,705	270,951
Jan.-Sept.	434,939	257,667	41,101	809,727
	Percent change from previous year			
1978	11.4	12.9	11.2	11.5
1979	18.9	19.9	47.6	18.8
1980	13.0	16.9	16.3	13.3
	Percent change from corresponding quarter in previous year			
1980 1st Q	11.4	22.2	21.4	13.5
2nd Q	15.7	12.2	19.9	11.9
3rd Q	16.0	17.4	12.9	16.9
4th Q	9.0	16.0	2.6	11.2
1981 1st Q	5.2	-2.1	-6.7	2.0
2nd Q	10.9	0.8	22.7	9.0
3rd Q	11.9	10.4	-19.7	6.3
Jan.-Sept.	9.4	3.1	1.7	5.6

1/ Declaration of estimated taxes, plus payments with returns, plus withholding tax on wages, less refunds.

2/ Declaration of estimated taxes, plus payments with returns, less refunds.

Source: Hawaii State Department of Taxation.

Table 2.-- SUMMARY OF UCLA ECONOMETRIC FORECAST: 1981 TO 1983

	Actual data								Forecast		
	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983
GNP AND ITS COMPONENTS											
CONSUMER EXPENDITURES	812.0	888.1	976.4	1084.3	1205.5	1348.7	1510.9	1672.7	1864.1	2049.6	2255.5
BUSINESS FIXED INVESTMENT	143.3	156.6	157.8	174.1	205.5	242.0	279.7	295.9	326.0	362.2	408.0
RESIDENTIAL CONSTRUCTION	68.0	58.0	55.3	72.0	95.8	111.2	118.6	105.3	108.9	126.8	169.7
INVENTORY INVESTMENT	18.5	14.1	-6.9	11.8	21.0	22.2	17.5	-5.9	12.1	17.0	20.4
NET EXPORTS	14.2	13.4	26.8	13.8	-4.2	-0.6	13.4	23.3	21.4	17.7	21.5
FEDERAL PURCHASES	102.0	111.0	122.7	129.2	143.9	153.3	167.9	198.9	224.4	247.1	272.0
STATE AND LOCAL PURCHASES	168.5	193.1	217.2	232.9	250.6	279.3	305.9	335.8	362.1	390.9	418.3
GROSS NATIONAL PRODUCT	1326.4	1434.2	1549.2	1718.0	1918.0	2156.1	2413.9	2626.1	2919.0	3211.2	3565.3
REAL GNP (1972 DOLLARS)	1255.0	1248.0	1233.8	1300.4	1371.6	1436.9	1481.0	1480.7	1510.1	1543.1	1600.4
PERSONAL INCOME AND CORPORATE PROFITS											
PERSONAL INCOME	1065.2	1168.6	1265.0	1391.3	1538.0	1721.8	1943.8	2160.3	2402.8	2629.0	2882.1
REAL DISPOSABLE INCOME	865.4	858.4	875.8	907.4	939.8	981.5	1011.5	1018.4	1042.8	1075.1	1116.9
ANNUAL RATE OF CHANGE	6.8	-0.8	2.0	3.6	3.6	4.4	3.1	0.7	2.4	3.1	3.9
SAVING RATE (%)	8.6	8.5	8.6	6.9	5.6	5.2	5.3	5.6	5.1	5.4	5.9
CORP. PROFITS BEFORE TAX	125.6	136.7	132.2	166.3	192.6	223.3	255.3	245.5	230.0	256.4	297.2
CORP. PROFITS AFTER TAX	76.5	85.1	81.5	102.5	120.0	140.3	167.8	163.2	153.7	172.4	200.0
FOUR QTR. PERCENT CHANGE	30.1	11.3	-4.2	27.7	17.1	16.8	20.2	-2.6	-5.6	12.8	16.4
MONEY AND INTEREST RATES											
MONEY SUPPLY (M1B)	259.7	272.7	285.5	301.8	324.9	351.5	378.9	402.7	431.7	449.0	468.2
ANNUAL RATE OF CHANGE	7.3	5.0	4.7	5.7	7.7	8.2	7.8	6.3	7.2	4.0	4.3
MONEY SUPPLY (M2)	835.0	886.9	971.3	1099.5	1242.2	1352.4	1473.0	1603.9	1757.0	1892.7	2057.4
ANNUAL RATE OF CHANGE	10.0	6.2	9.5	13.2	13.0	8.9	8.9	8.9	9.5	7.7	8.7
MOODYS AAA BOND RATE(%)	7.44	8.57	8.83	8.43	8.02	8.72	9.63	11.94	14.04	13.97	12.89
FEDERAL FUNDS RATE (%)	8.73	10.50	5.82	5.05	5.54	7.93	11.19	13.36	17.37	15.62	11.82
PRIME RATE (%)	8.02	10.80	7.86	6.84	6.82	9.06	12.67	15.27	19.27	17.61	14.08
PRODUCTION AND OTHER KEY INDICATORS											
INDUSTRIAL PRODUCTION (67=1)	1.297	1.293	1.178	1.304	1.381	1.461	1.525	1.471	1.530	1.599	1.684
ANNUAL RATE OF CHANGE	8.4	-0.3	-8.9	10.7	5.9	5.8	4.4	-3.6	4.0	4.5	5.3
HOUSING STARTS(MIL. UNITS)	2.044	1.332	1.160	1.535	1.962	2.001	1.716	1.303	1.139	1.483	1.817
RETAIL CAR SALES(MIL UNITS)	11.4	8.8	8.5	10.0	11.1	11.2	10.6	9.0	9.0	10.0	10.6
EMPLOYMENT (MILLIONS)	84.4	85.9	84.8	87.5	90.5	94.4	96.9	97.3	98.9	100.9	103.5
UNEMPLOYMENT RATE (%)	4.9	5.6	8.5	7.7	7.0	6.0	5.8	7.1	7.4	7.4	7.0
FEDERAL BUDGET SURPLUS (NIA)	-5.6	-11.5	-69.3	-53.1	-46.4	-29.2	-14.8	-61.2	-59.1	-61.5	-54.0
PRICES AND WAGES: ANNUAL RATES OF CHANGE											
IMPLICIT PRICE DEFLATOR	5.7	8.8	9.2	5.2	5.8	7.3	8.5	9.0	9.0	7.6	7.1
CONSUMER PRICE INDEX	6.2	11.0	9.1	5.7	6.5	7.7	11.3	13.5	10.1	7.4	7.0
PRODUCER PRICE INDEX	13.1	16.8	9.2	4.7	6.1	7.8	12.5	14.1	9.6	7.1	8.5
HOURLY COMPENSATION INDEX	7.6	9.7	9.3	8.1	7.6	8.6	9.7	9.9	10.1	8.9	8.3
DETAILS OF REAL GNP: ANNUAL RATES OF CHANGE											
CONSUMER EXPENDITURES	4.3	-0.6	2.2	5.6	4.9	4.7	2.9	0.5	3.0	2.8	3.2
BUSINESS FIXED INVESTMENT	14.1	-1.7	-12.1	5.3	11.9	9.1	6.5	-3.0	1.5	2.8	5.6
EQUIPMENT	18.0	1.5	-12.0	6.2	16.1	8.8	5.5	-4.2	0.6	3.2	6.3
STRUCTURES	7.3	-7.9	-12.3	3.2	2.7	10.1	8.7	-0.1	3.3	2.1	4.1
RESIDENTIAL CONSTRUCTION	-2.4	-22.6	-12.5	21.3	18.5	2.9	-5.2	-18.6	-3.0	7.1	23.1
EXPORTS	25.6	11.5	-4.6	6.3	2.8	12.7	15.2	9.6	-0.9	0.2	6.0
IMPORTS	6.5	-1.3	-11.5	18.6	7.8	12.8	6.0	-0.1	5.5	4.8	5.8
FEDERAL PURCHASES	-5.7	0.8	0.8	-0.7	4.1	-0.9	1.9	6.4	1.1	1.1	1.6
STATE AND LOCAL PURCHASES	4.0	4.4	2.9	0.5	0.9	3.7	1.2	1.0	-0.5	-0.1	-0.5
GROSS NATIONAL PRODUCT	5.8	-0.6	-1.1	5.4	5.5	4.8	3.2	-0.2	2.0	2.2	3.7
FINAL SALES	5.3	-0.1	0.3	4.2	5.2	4.7	3.5	0.7	1.5	2.0	3.7

Source: UCLA Business Forecasting Project, September 1981.

Table 3.-- DPED BASE FORECAST AND HIGHER-LOWER ALTERNATIVE FORECASTS: 1981 TO 1983

Year 1/	Personal Income 4/ (millions of dollars)		Total jobs (thous.)	General excise tax collections 1/ (millions of current dollars)	General fund revenue 1/ 4/ (millions of current dollars)	Total construction value 5/ (millions of constant 1976 dollars)
	Current dollars 2/	Constant 1976 dollars 3/				
	"BASE" FORECAST					
1981 ..	10,820	7,920	445	549	1,038	680
1982 ..	11,830	7,980	451	601	1,031 6/	653
1983 ..	12,910	8,140	462	661	1,224	684
	Percent change from previous year					
1981 ..	10.7	0.6	0.3	10.2	9.6	-2.0
1982 ..	9.3	0.8	1.2	9.8	-0.7	-4.0
1983 ..	9.2	2.1	2.5	10.1	18.7	4.7
	"HIGHER" ALTERNATIVE FORECAST					
1981 ..	10,820	7,960	446	549	1,038	680
1982 ..	11,870	8,110	457	606	1,036 6/	665
1983 ..	13,060	8,430	476	677	1,243	762
	Percent change from previous year					
1981 ..	10.7	1.1	0.6	10.2	9.6	-2.0
1982 ..	9.6	2.0	2.3	10.6	-0.2	-2.2
1983 ..	10.1	3.9	4.3	11.8	20.0	14.6
	"LOWER" ALTERNATIVE FORECAST					
1981 ..	10,840	7,860	444	549	1,038	680
1982 ..	11,800	7,820	445	598	1,029 6/	632
1983 ..	12,830	7,870	451	650	1,211	605
	Percent change from previous year					
1981 ..	10.2	-0.1	0.0	10.2	9.6	-2.0
1982 ..	8.8	-0.5	0.1	9.3	-0.9	-7.1
1983 ..	8.9	0.7	1.4	8.7	17.7	-4.3

Footnotes on next page.

Table 3.-- DPED BASE FORECAST AND HIGHER-LOWER ALTERNATIVE FORECASTS: 1981 TO 1983 -- Con.

1/ For the tax revenue and general fund forecast, the years indicated are fiscal years which begin July 1 of the previous calendar year and end on June 30 of the given calendar year.

2/ "Current dollars" refers to the actual dollar value in the year indicated with no correction for inflation.

3/ "Constant dollar" data are corrected for the effects of inflation.

4/ Unofficial forecasts based on DPED's Hawaii econometric forecasting model. Official forecasts of General Fund tax revenue and personal income are prepared by the Hawaii State Council on Revenues.

5/ Total construction for 1981 is forecast outside of the model and is input as an assumption. The model is then allowed to forecast the 1982 and 1983 construction values based on assumptions made regarding the level of visitor expenditures, inflation, etc.

6/ Reflects a loss in general fund tax revenue due to a one-time $100 per person tax credit on 1981 income tax returns.

Table 4.-- DPED CONSTRUCTION FORECAST: 1981 TO 1983 1/

[Millions of constant 1976 dollars.]

Year	Total construction value	Residential	Commercial		State and local government	Federal government
			Hotels	Other		
1981 ..	680	244	20	147	214	55
1982 ..	653	207	25	152	214	55
1983 ..	684	206	67	142	214	55
	Percent change from previous year 2/					
1981 ..	-2.0	-16.0	-9.0	15.0	8.0	0
1982 ..	-4.0	-15.0	25.0	3.0	0	0
1983 ..	5.0	0	170.0	-7.0	0	0

1/ From the DPED "Base" forecast.
2/ Figures rounded to nearest percent.

Table 5.-- ECONOMIC ASSUMPTIONS FOR THE DPED ALTERNATIVE FORECASTS: CALENDAR YEARS 1981-1983 1/

Economic variables	Alternative forecasts	Assumed values		
		1981	1982	1983
Visitor expenditures	Lower	-1.0	1.0	4.0
(Annual percentage rate of	Base	0.0	3.0	6.0
increase in real expenditures)	Higher	1.0	6.0	10.0
Honolulu Consumer Price Index (CPI-U)	Lower	11.0	9.5	8.0
(Annual percentage rate of	Base	10.0	8.5	7.0
increase)	Higher	9.5	7.5	6.0
Sugar industry revenue	Lower	-34.6	-5.3	0
(Rate of growth in dollar revenues	Base	-34.6	-5.3	0
not corrected for inflation)	Higher	-34.6	-5.3	0
Pineapple industry revenue	Lower	13.0	10.5	10.0
(Rate of growth in dollar revenues	Base	12.0	9.5	9.0
not corrected for inflation)	Higher	11.0	8.5	8.0
Construction value 2/	Lower	-2.0	-	-
(Annual rate of increase in real	Base	-2.0	-	-
construction expenditures)	Higher	-2.0	-	-
Resident population	Lower	19,000	18,000	18,000
(Annual rate of increase)	Base	19,000	18,000	18,000
numbers of persons	Higher	19,000	18,000	18,000

1/ Values for these variables are forecast independently of the Hawaii Econometric Model. These variables are the basic information needed by the model to produce a forecast of economic activity.

2/ Construction value forecast in 1982 and 1983 are produced by the model based on the expected 1981 value and the other assumptions.

2. EMPLOYMENT

The total number of non-agricultural jobs in the third quarter of 1981 was 0.5 percent less than the number of jobs in the third quarter of 1980 (Table 6). Manufacturing, hotels, retail and wholesale trade, transportation, communications and utilities, and government all reported fewer jobs than in the third quarter of 1980. Finance, construction and services other than hotels showed increases in jobs compared to the previous year's third quarter.

Data in the series on labor force, employment and unemployment estimates (Tables 7 & 8) appear to contradict the indications present in the job count that employment (or the total number of jobs) is below last year's levels. The estimate of total employment in the third quarter of 1981 was 1.9 percent above the comparable 1980 quarter. The estimate of average employment for the first nine months of 1981 was 1.2 percent or about 4,600 employed persons more than in the same 1980 period.

The labor force, employment and unemployment estimates are based on a monthly sample survey of households conducted in Hawaii by the Census Bureau. The jobcount data, on the other hand, are generated by the Hawaii State Department of Labor and Industrial Relations and involve a large sampling of Hawaii's employers. Because the Census Bureau sample is small and very little information is available on its quality, the locally generated job count estimates are probably a more reliable indicator of actual employment growth (or lack of it), although both data series are naturally subject to a certain amount of estimating error.

Table 6.-- NUMBER OF JOBS BY INDUSTRY: 1981

Series	1981 Jan.-Sept. (p)	1981 3rd Q (p)	Percent change from previous year: 1981 Jan.-Aug.	Percent change from previous year: 1981 3rd Q
Non-agricultural jobs	403,900	402,100	-0.2	-0.5
Construction 1/	24,200	24,150	-1.2	0.2
Manufacturing	23,150	23,700	-3.1	-4.2
Food processing	11,500	12,050	-5.3	-8.7
Transp., commun., utilities ...	30,800	30,600	-0.4	-1.3
Trade	103,200	102,900	-1.3	-1.3
Wholesale	17,750	17,750	-4.5	-3.9
Retail	85,450	85,150	-0.6	-0.8
Finance, insur., & real estate	34,350	34,600	2.5	2.4
Services	99,550	99,150	1.1	0.2
Hotels	24,000	23,850	-3.5	-3.6
Government	88,650	87,050	-0.4	-0.4
Federal	30,150	30,500	0.6	1.3
State	44,850	41,000	0.1	-0.4
Local	13,600	15,550	-4.0	-3.6
Agriculture (wage & salary)	11,200	12,650	7.8	3.6
Non-agricultural self-employed 2/	24,400	24,700	-2.0	-2.7
Agricultural self-employed 2/ ...	4,150	4,400	-4.7	9.6

p Preliminary.
Q Calendar quarter.
1/ 1980 construction job data adjusted upwards to include the jobs of 5,450 workers on strike during September.
2/ Self-employed includes unpaid family workers and domestics.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 7.-- CIVILIAN LABOR FORCE AND EMPLOYMENT BY COUNTY: 1970 TO 1981

[Persons.]

Subject and year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Civilian labor force					
1970	321,550	258,900	28,300	13,650	20,700
1975	382,950	304,200	34,600	16,300	27,800
1978	400,000	314,750	35,900	17,600	31,750
1979	399,000	313,650	35,400	17,550	32,400
1980	400,000	313,200	35,400	17,750	33,650
1st Q	398,700	313,000	35,050	17,700	32,950
2nd Q	401,350	314,750	35,200	17,650	33,750
3rd Q	400,850	312,600	35,600	18,000	34,650
4th Q	399,050	312,450	35,850	17,600	33,150
1981					
1st Q	402,700	315,950	36,100	17,600	33,050
2nd Q	408,050	320,100	36,150	17,750	34,000
3rd Q (p)	409,250	320,150	36,950	17,700	34,450
Civilian employment					
1970	305,650	246,400	27,050	12,950	19,250
1975	351,100	280,050	31,150	14,800	25,050
1978	369,000	290,950	32,300	16,400	29,350
1979	374,000	294,550	32,550	16,550	30,350
1980	380,000	298,300	33,000	16,900	31,750
1st Q	378,250	297,900	32,700	16,750	30,900
2nd Q	382,250	300,350	32,850	16,850	32,200
3rd Q	380,350	297,300	33,150	17,150	32,700
4th Q	379,200	297,700	33,550	16,800	31,150
1981					
1st Q	381,750	300,600	33,450	16,650	31,000
2nd Q	385,150	303,550	33,150	16,600	31,850
3rd Q (p)	387,600	304,450	34,150	16,600	32,450

p Preliminary.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 8.-- CIVILIAN UNEMPLOYED AND UNEMPLOYMENT RATE BY COUNTY: 1970 TO 1981

Subject and year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Civilian unemployed (persons)					
1970	15,900	12,500	1,250	700	1,450
1975	31,850	24,200	3,450	1,500	2,750
1978	31,000	23,800	3,600	1,200	2,400
1979	25,000	19,100	2,850	1,000	2,050
1980	20,000	14,900	2,350	850	1,900
1st Q	20,500	15,100	2,350	1,000	2,050
2nd Q	19,100	14,400	2,350	800	1,550
3rd Q	20,550	15,300	2,450	850	1,950
4th Q	19,950	14,750	2,350	800	2,000
1981					
1st Q	20,950	15,350	2,650	950	2,050
2nd Q	22,900	16,550	3,050	1,150	2,150
3rd Q (p)	21,650	15,700	2,750	1,100	2,050
Unemployment rate (percent)					
1970	4.9	4.8	4.4	5.2	7.0
1975	8.3	8.0	9.9	9.1	9.8
1978	7.8	7.6	10.1	6.9	7.5
1979	6.3	6.1	8.1	5.6	6.3
1980	5.0	4.8	6.7	4.9	5.6
1st Q	5.1	4.8	6.7	5.6	6.2
2nd Q	4.8	4.6	6.7	4.5	4.6
3rd Q	5.1	4.9	6.9	4.7	5.6
4th Q	5.0	4.7	6.6	4.6	6.0
1981					
1st Q	5.2	4.9	7.3	5.4	6.2
2nd Q	5.6	5.2	8.4	.5	6.3
3rd Q (p)	5.3	5.0	7.4	6.2	6.0

p Preliminary
Source: Hawaii State Department of Labor and Industrial Relations.

3. TOURISM

The number of visitors to Hawaii for the first nine months of 1981 stood at 3.0 million, about 1 percent below last year's January through September total (Table 9). The problem with tourism in 1981 has continued to be the lagging westbound 1/ portion of the visitor market which is down about 3 percent from the first nine months of 1980. Eastbound 2/ visitor arrivals, on the other hand, were running almost 7 percent ahead of 1980 for the first nine months.

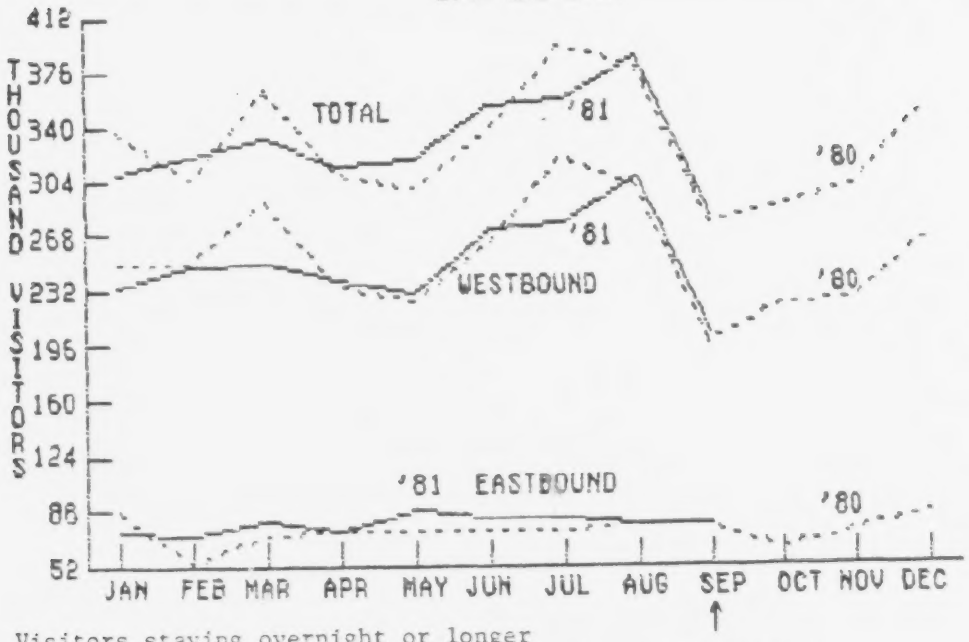
As Figures 1 to 4 indicate, unseasonally low visitor arrivals during the key Winter and Summer periods has been the technical cause of the overall 1 percent decline in arrivals, rather than consistent month-by-month declines from the year before. Visitor travel during the off-season months has generally been at or above the previous year's levels.

Third quarter 1981 visitor data indicated a continuation of the subdued rate of westbound arrivals and some weakening in eastbound visitor traffic. Total arrivals in September (the latest month for which data are available) showed total visitor arrivals up 2 percent from a year earlier. Westbound arrivals increased almost 3 percent while eastbound visitor traffic managed less than a 1 percent increase.

The sharp acceleration of air fares during the past two years is thought to have been a key reason for the slow down in visitor arrivals during 1980 and 1981. Air fares in turn, have been forced up, to a large degree, by rising fuel costs. As Figure 5 indicates, the escalation in jet fuel prices leveled off in April of this year and prices have actually declined slightly since then. Thus, the influence of one important factor in Hawaii's current tourism slump--accelerating air fares--should be substantially diminished in future months.

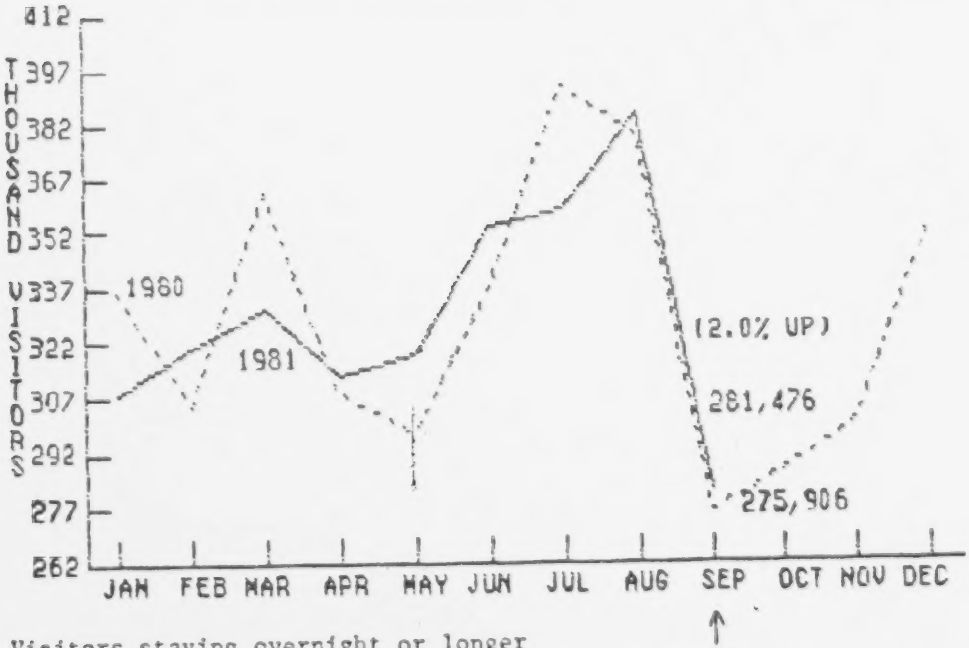
1/ Arrivals from the U.S. Mainland and Canada.
2/ Arrivals from Asia to the Pacific.

Figure 1.-- MONTHLY WESTBOUND, EASTBOUND AND TOTAL VISITOR ARRIVALS: 1980 AND 1981



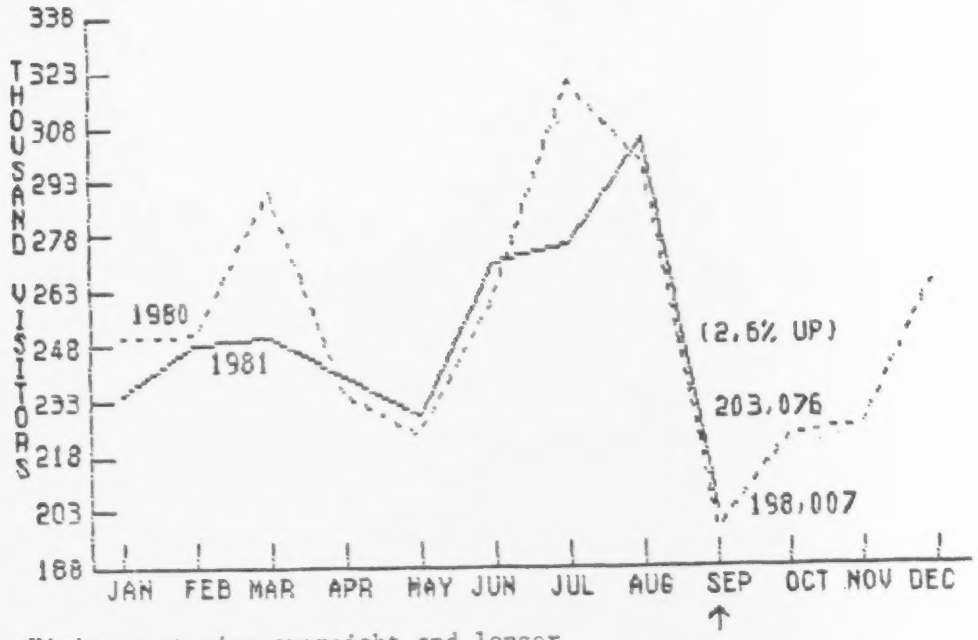
Visitors staying overnight or longer
Prepared by: DPED, Economic Planning Information System
Data source: Hawaii Visitors Bureau

Figure 2.-- TOTAL VISITOR ARRIVALS BY MONTH: 1980 AND 1981



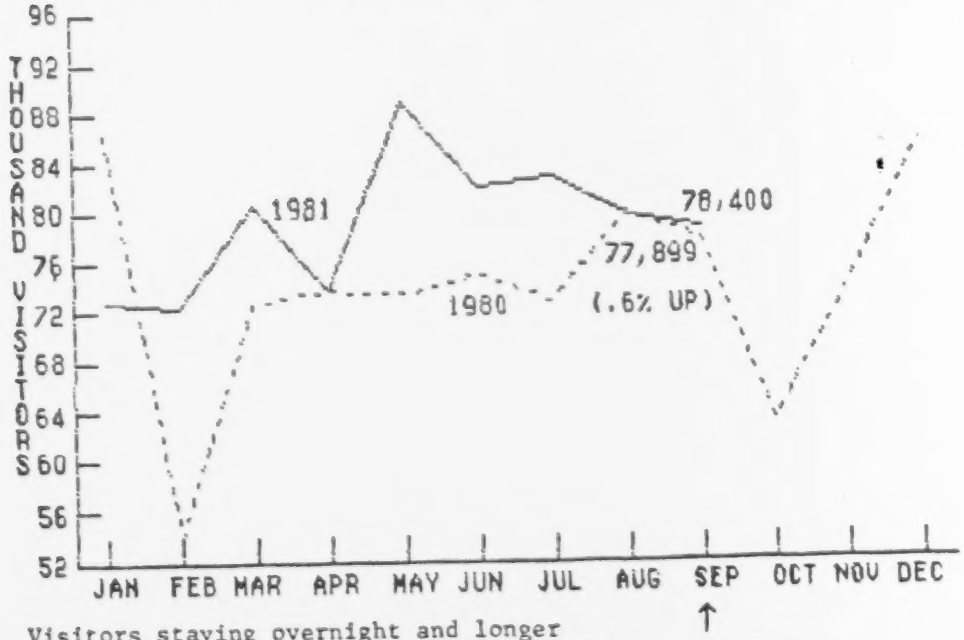
Visitors staying overnight or longer
Prepared by: DPED, Economic Planning Information System
Data source: Hawaii Visitors Bureau

Figure 3.-- WESTBOUND MONTHLY VISITOR ARRIVALS: 1980 AND 1981



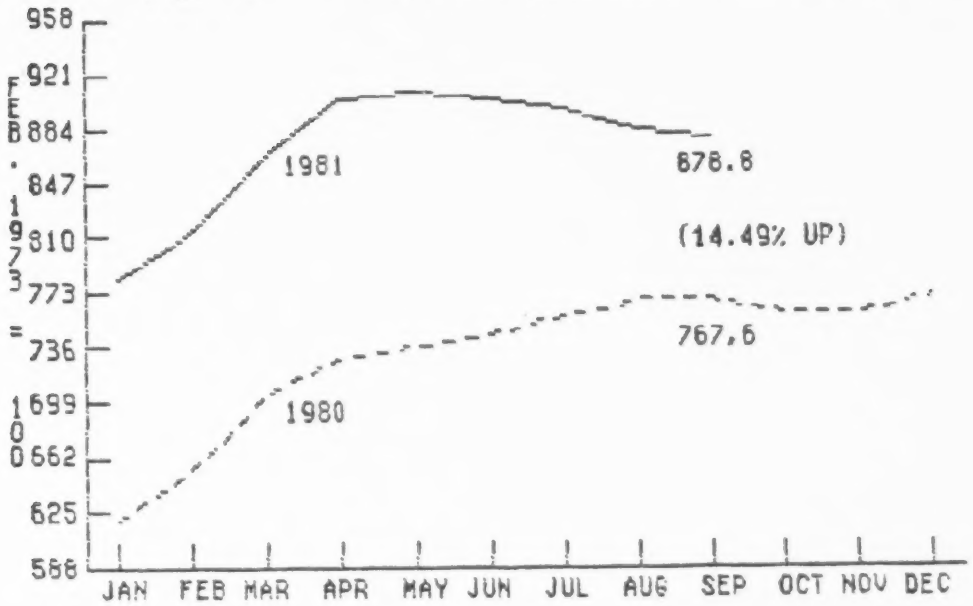
Visitors staying overnight and longer
Prepared by: DPED, Economic Planning Information System
Data source: Hawaii Visitors Bureau

Figure 4.-- EASTBOUND MONTHLY VISITOR ARRIVALS: 1980 AND 1981



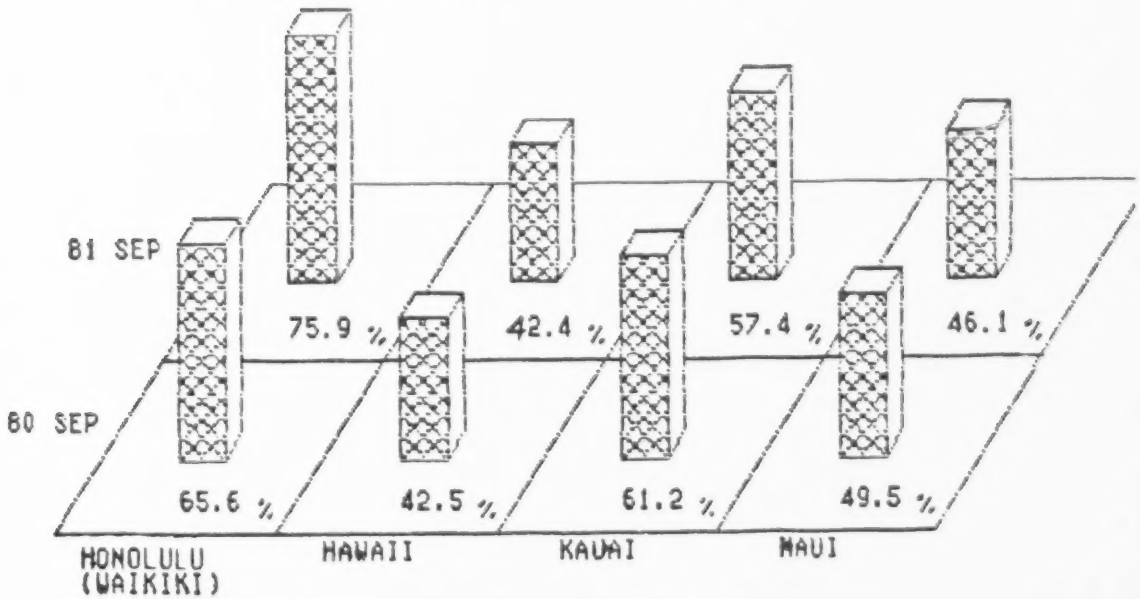
Visitors staying overnight and longer
Prepared by: DPED, Economic Planning Information System
Data source: Hawaii Visitors Bureau

Figure 5.-- U.S. JET FUEL PRICE INDEX: 1980 AND 1981



Prepared by: DPED, Economic Planning Information System
Data source: U.S. Department of Labor, Producers Price Index

Figure 6.-- HOTEL OCCUPANCY RATES BY COUNTY: SEPTEMBER 1980 AND SEPTEMBER 1981



Prepared by: DPED, Economic Planning Information System
Data source: Hawaii Visitors Bureau

Table 9.-- OVERNIGHT VISITORS AND AVERAGE DAILY VISITOR CENSUS: 1970 TO 1981

Year	Overnight and longer visitors			Average number 1/ present per day	
	Total	Westbound	Eastbound	Westbound	All
1970	1,746,970	1,326,135	420,835	32,331	36,943
1975	2,829,105	2,207,417	621,688	59,495	66,308
1978	3,670,309	3,030,999	639,310	85,028	92,034
1979	3,960,531	3,139,455	821,076	89,678	98,676
1980	3,934,504	3,046,132	888,372	86,788	96,497
1980 1st Q	1,004,830	791,550	213,277	NA	NA
2nd Q	942,853	720,919	221,934	NA	NA
3rd Q	1,047,282	816,583	230,699	NA	NA
4th Q	939,539	717,080	222,459	NA	NA
1981 1st Q	959,041	733,191	225,850	NA	NA
2nd Q	984,474	740,264	244,237	NA	NA
3rd Q (p)	1,023,887	783,330	240,557	NA	NA
Jan.-Sept. (p)	2,967,402	2,256,785	710,644	NA	NA
	Percent change from previous year				
1978	6.9	9.7	-4.6	12.3	10.8
1979	7.9	3.6	28.4	5.5	7.2
1980	-0.7	-3.0	8.2	-3.2	-2.2
	Percent change from corresponding period in previous year				
1980 1st Q	-5.3	-9.2	13.0	NA	NA
2nd Q	6.5	5.7	9.1	NA	NA
3rd Q	-0.8	-2.9	6.9	NA	NA
4th Q	-1.9	-3.7	4.4	NA	NA
1981 1st Q	-4.6	-7.4	5.9	NA	NA
2nd Q	4.4	2.7	10.0	NA	NA
3rd Q (p)	-2.2	-4.1	4.3	NA	NA
Jan.-Sept. (p)	-0.9	-3.1	6.7	NA	NA

p Preliminary
NA Not available.
1/ Average daily visitor census figures have been revised by HVB back to 1970.
Source: Hawaii Visitors Bureau.

Table 10.-- WESTBOUND VISITORS TO THE NEIGHBOR ISLANDS: 1970 TO 1981

Year	Westbound visitors to Neighbor Islands		
	Hawaii	Maui	Kauai
1970	445,401	447,985	410,075
1975	769,779	931,863	632,821
1978	908,983	1,403,054	837,712
1979	864,562	1,420,798	825,366
1980	761,103	1,378,189	781,409
1980: 1st Q	208,235	362,912	194,590
2nd Q	183,462	326,217	192,166
3rd Q	201,976	370,230	218,068
4th Q	167,430	318,830	176,585
1981: 1st Q	165,947	351,267	174,195
2nd Q	156,442	332,922	188,539
3rd Q (p)	166,143	341,229	193,858
Jan.-Sept. (p)	488,532	1,025,418	556,592
	Percent change from previous year		
1978	2.8	13.2	5.9
1979	-4.9	1.3	-1.5
1980	-12.0	-3.0	-5.3
	Percent change from corresponding period in previous year		
1980: 1st Q	-17.0	-9.2	-13.5
2nd Q	-1.5	6.9	1.7
3rd Q	-13.6	-4.7	-5.1
4th Q	-13.4	-2.7	-2.7
1981: 1st Q	-20.3	-3.2	-10.5
2nd Q	-14.7	2.1	-1.9
3rd Q (p)	-17.7	-7.8	-11.1
Jan.-Sept. (p)	-17.7	-3.2	-8.0

p Preliminary
Source: Hawaii Visitors Bureau.

Table 11.-- HOTEL OCCUPANCY RATES BY AREA: 1970 TO 1981

Date	Waikiki 1/	Hawaii	Kauai	Maui
Annual average:				
1970	74.1	68.3	58.0	66.7
1975	78.3	59.9	77.2	72.3
1978	82.1	65.0	83.3	80.4
1979	77.1	62.0	76.5	73.0
1980	72.3	52.1	69.2	66.4
1980				
January	80.5	60.0	68.6	75.3
February	79.4	66.7	78.0	88.6
March	78.1	60.3	82.5	90.1
April	72.5	54.4	71.0	71.8
May	66.5	48.1	65.8	67.8
June	66.6	45.1	63.0	55.0
July	76.5	50.0	71.4	57.5
August	78.1	56.1	75.2	65.4
September	65.6	42.5	61.2	49.5
October	69.0	49.4	69.8	59.2
November	69.6	46.9	63.7	56.3
December	65.8	45.7	60.7	59.9
1981				
January	70.9	48.4	61.1	62.6
February	84.5	61.0	66.6	81.5
March	75.0	53.5	69.4	72.8
April	69.8	45.8	65.2	59.6
May	70.4	43.9	68.4	57.9
June	75.7	42.9	64.0	53.7
July	73.2	50.5	63.9	57.2
August	82.2	51.3	65.9	64.6
September	75.9	42.4	57.4	56.1

1/ Does not include some large hotel chains.

Source: Hawaii Visitors Bureau; Panell, Kerr, Forster and Company.

Table 12.-- HOTEL UNITS, EXISTING AND PLANNED: 1970 TO 1981

[Number of units.]

Date (June)	State total	Oahu		County of Hawaii	County of Kauai	County of Maui
		Oahu total	Waikiki			
1970	27,519	19,050		3,182	2,567	2,720
1976	42,811	25,773	22,038	5,936	3,724	7,378
1977	46,143	27,827	23,961	6,051	3,868	8,397
1978	48,034	29,193	25,471	6,064	4,097	8,680
1979	51,185	31,411	27,657	6,056	4,064	9,654
1980	55,571	34,393	30,514	6,260	4,435	10,483
1981	56,502	33,566	29,101	6,859	4,832	11,245
Planned additional units (June 1981 report) 1/						
1981	2,148	-	-	736	692	720
1982	1,757	1,056	1,056	401	-	300
1983	1,440	425	425	-	350	665
Indefinite	5,446	760	260	3,200	686	800
Total	10,791	2,241	1,741	4,337	1,728	2,485

1/ In addition, 15,241 condominium units have been planned but the number of rental units has not been determined.

Source: Hawaii Visitors Bureau.

Table 13.-- AVERAGE DAILY HOTEL ROOM RATES IN HAWAII: 1970 TO 1980

[Dollars.]

Year	State	By island			
		Oahu	Hawaii	Maui	Kauai
1970	25.74	-	-	-	-
1975	29.75	-	-	-	-
1976	29.54	26.70	30.52	37.61	34.51
1977	34.28	31.87	33.08	42.59	38.45
1978	38.56	35.90	36.70	47.86	42.25
1979	44.40	41.42	41.44	57.15	47.75
1980	47.28	42.83	46.40	61.14	54.38
Increase (%) 1976-1980 ...	60.1	60.4	52.0	62.6	57.6

Source: Panell, Kerr, Forster & Company, Statistics and Trend of Hotel Business in Hawaii.

4. CONSTRUCTION

Authorizations for new building construction during the first nine months of 1981 totaled $689 million, down 14 percent from the same period in 1980 (Table 14). Residential authorizations declined about 22 percent in the first nine months while non-residential permits (including hotels) decreased by a more modest 3 percent in current dollar value.

Much of the decline in the value of new building authorizations during 1981 has been due to sharp declines in construction in Kauai and Maui Counties of 48 percent and 31 percent repectively (Table 15). In both Honolulu and Hawaii Counties, the level of total building authorizations is down about 1 percent in value for the first nine months.

As Tables 16 and 17 indicate, the number of residential units authorized during the first nine months of 1981 declined 31 percent for single-family units and 30 percent for multi-family units.

After adjusting data for the effects of last year's carpenters strike, the number of full-time equivalent jobs in the construction industry was about the same during the first nine months of 1981 as in the comparable period of 1980 (Table 18). However from a strong first quarter, the figure declined to below 1980 levels during the second and third quarters. The level of insured unemployment in construction during the first half of 1981 was 50 percent higher than a year earlier, up from about 8.9 percent in the 1980 first half to 12.7 percent in the first half of this year.

Table 14.-- ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION AUTHORIZATIONS AND GOVERNMENT CONTRACTS AWARDED: 1970 TO 1981

[Millions of dollars.]

Year	Private authorizations				Government contracts awarded
	Total private authorization	Residential	Commercial and industrial 1/	Additions and alterations	
1970	447.2	212.5	184.5	50.2	176.2
1975	610.6	343.3	187.2	80.1	450.3
1978	672.4	400.1	182.9	89.4	290.0
1979	875.0	535.1	215.6	124.1	388.7
1980	1,219.2	680.2	331.5	207.5	230.6
1980 1st Q ...	238.0	123.5	61.7	52.7	42.1
2nd Q ...	224.9	119.1	63.2	42.6	27.3
3rd Q ...	340.6	240.0	63.3	37.3	102.9
4th Q ...	415.7	197.6	143.3	74.8	58.3
1981 1st Q ...	227.2	102.9	81.2	43.1	109.0
2nd Q ...	266.0	180.9	50.3	34.8	51.4
3rd Q 2/.	196.1	93.0	51.8	51.3	NA
Jan.-Sept.	689.3	376.8	183.3	129.2	NA
	Percent change from previous year				
1978	44.0	43.9	78.4	3.8	1.2
1979	30.1	33.7	17.9	38.8	34.0
1980	39.3	27.1	53.8	67.2	-40.7
	Percent change from corresponding quarter in previous year				
1980 1st Q ...	48.1	25.4	95.3	72.2	-63.4
2nd Q ...	4.5	-12.1	30.9	35.7	-64.2
3rd Q ...	49.2	68.5	19.4	15.5	-5.5
4th Q ...	51.5	22.0	73.3	152.0	-34.1
1981 1st Q ...	-4.5	-16.7	31.6	-18.2	159.0
2nd Q ...	18.3	51.9	-20.4	-18.3	88.3
3rd Q 2/.	-42.4	-61.3	-18.2	37.5	NA
Jan.-Sept.	-14.2	-21.9	-2.6	-2.6	NA

1/ Includes hotels.
2/ August-September data for Maui County estimated.
Source: County Building Departments; Trade Publishing Co., Building Industry Digest.

Table 15.-- ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION AUTHORIZATIONS BY COUNTY: 1970 TO 1981

[Millions of dollars.]

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	447.2	322.3	48.6	35.7	40.7
1975	610.6	407.1	49.7	36.1	117.7
1978	672.4	370.6	74.4	58.5	168.9
1979	874.9	501.4	112.2	113.8	147.5
1980	1,219.2	686.3	146.0	133.3	253.7
1980 1st Q ...	238.0	109.3	42.8	34.3	51.6
2nd Q ...	224.9	133.6	28.9	9.6	52.9
3rd Q ...	340.6	133.2	47.6	53.0	106.8
4th Q ...	415.7	310.1	26.8	36.3	42.5
1981 1st Q ...	227.2	93.2	53.9	17.1	62.9
2nd Q ...	266.0	190.5	17.5	18.6	39.5
3rd Q ...	196.1	90.6	47.0	14.3	44.2
Jan.-Sept.	689.3	374.3	118.4	50.0	146.6
	Percent change from previous year				
1978	44.0	18.6	21.4	108.9	125.8
1979	30.1	35.3	50.8	94.5	-12.7
1980	39.3	36.9	30.1	17.1	72.0
	Percent change from corresponding quarter in previous year				
1980 1st Q ...	48.1	13.0	55.6	266.8	90.4
2nd Q ...	4.5	18.2	31.4	-75.8	30.0
3rd Q ...	49.2	-3.1	75.0	32.4	431.3
4th Q ...	51.5	101.1	-24.7	46.0	-29.0
1981 1st Q ...	-2.9	-14.7	25.9	-50.2	21.9
2nd Q ...	15.3	42.6	-39.5	93.8	-25.3
3rd Q 1/.	-42.8	-32.0	-1.3	-73.0	-58.6
Jan.-Sept.	-14.2	-0.5	-0.8	-48.4	-30.6

1/ August-September data for Maui County estimated.
Source: County building departments.

Table 16.-- NUMBER OF SINGLE-FAMILY HOUSING UNITS AUTHORIZED BY COUNTY: 1970 TO 1981 1/

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	5,611	4,017	790	326	478
1975	3,233	1,155	838	343	897
1978	5,219	2,270	1,382	567	1,000
1979	6,181	3,156	1,445	556	1,024
1980	4,058	1,645	1,204	401	808
1980 1st Q	1,133	494	317	107	215
2nd Q	1,045	420	349	89	187
3rd Q	887	262	258	109	258
4th Q	990	469	280	96	148
1981 1st Q	775	234	269	137	135
2nd Q	697	217	279	105	96
3rd Q	658	176	290	71	121 2/
Jan.-Sept.	2,130	627	838	313	352
	Percent change from previous year				
1978	6.7	0.5	28.7	27.4	-8.3
1979	18.4	39.0	4.6	-1.9	2.4
1980	-34.4	-47.9	-16.7	-27.9	-21.1
	Percent change from corresponding quarter in previous year				
1980 1st Q	-22.6	-32.5	-12.2	-25.2	-5.7
2nd Q	-37.5	-51.8	-1.1	-32.6	-40.6
3rd Q	-45.2	-66.9	-35.0	-38.8	2.8
4th Q	-30.7	-38.4	-16.7	-7.0	-35.7
1981 1st Q	-31.6	-52.6	-15.1	28.0	-37.2
2nd Q	-33.3	-48.3	-20.1	18.0	-48.7
3rd Q	-25.8	-32.8	12.4	-34.9	-53.1
Jan.-Sept.	-30.5	-46.7	-9.3	2.6	-46.7

1/ Includes duplexes.
2/ August-September data for Maui County estimated.
Source: County building departments.

Table 17.-- NUMBER OF MULTI-FAMILY HOUSING UNITS AUTHORIZED BY COUNTY: 1970 TO 1981 1/

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	4,620	3,673	389	67	491
1975	6,992	4,186	498	202	2,106
1978	4,236	1,968	334	610	1,324
1979	6,351	1,804	718	1,125	2,704
1980	6,603	3,297	727	766	1,813
1980 1st Q	1,237	396	81	224	536
2nd Q	1,097	604	206	12	273
3rd Q	2,340	795	330	522	693
4th Q	1,931	1,502	110	8	311
1981 1st Q	740	155	21	44	520
2nd Q	1,877	1,576	0	0	301
3rd Q	672	44	249	18	361 2/
Jan.-Sept.	3,289	1,775	270	62	1,182
	Percent change from previous year				
1978	39.1	-1.8	158.9	3/	150.8
1979	49.9	-8.3	115.0	84.4	104.2
1980	4.0	82.8	1.3	-31.9	-33.0
	Percent change from corresponding quarter in previous year				
1980 1st Q	-47.8	120.0	-73.1	3/	-71.7
2nd Q	1.3	21.2	249.2	-97.2	-20.6
3rd Q	99.8	41.2	84.5	32.8	600.0
4th Q	13.7	90.6	-54.5	-97.3	-15.9
1981 1st Q	-40.2	-60.9	-74.1	-80.4	3.0
2nd Q	71.1	160.9	-100.0	-100.0	10.3
3rd Q	-71.3	-94.5	-24.5	-96.6	-47.9
Jan.-Sept.	-29.6	-1.1	-56.2	-91.8	-21.3

1/ Three or more units per structure.
2/ August-September data for Maui County estimated.
3/ No units authorized in previous year's corresponding period. Percent increase infinitely large.

Source: County building departments.

Table 18.-- CONSTRUCTION EMPLOYMENT AND EARNINGS: 1970 TO 1981

Year	Total jobs 2/	Average weekly hours	Full-time equivalent jobs 2/	Insured unemployed persons	% unemployed 1/	Average hourly earnings (in dollars)
1970	25,750	38.9	25,050	1,150	4.4	5.56
1975	26,350	37.9	24,950	4,150	14.3	7.83
1976	21,400	36.2	19,350	5,650	22.6	8.83
1977	19,750	35.7	17,650	4,150	19.1	9.90
1978	20,650	36.6	18,900	2,500	11.7	10.55
1979	23,400	36.0	21,050	1,700	7.5	10.97
1980	24,400	36.2	22,100	2,650	10.9	11.84
1980 1st Q	24,700	35.0	21,600	2,150	9.1	11.61
2nd Q	24,700	36.8	22,700	2,150	8.7	11.62
3rd Q	24,100	37.4	22,550	3,400	14.0	11.84
4th Q	24,150	35.3	21,300	2,900	12.0	12.29
1981 1st Q	24,350	38.9	23,700	3,000	11.2	12.78
2nd Q	24,100	34.8	21,000	3,450	14.1	12.98
3rd Q	24,150	36.3	21,950	NA	NA	13.16
Jan-Sep	24,200	37.1	22,450	NA	NA	12.97
	Percent change from previous year					
1975	-5.6	0.3	-5.3	66.0	64.4	8.3
1976	-18.8	-4.5	-22.4	36.1	58.0	12.8
1977	-7.7	-1.4	-8.8	-26.5	-15.5	12.1
1978	4.6	2.5	7.1	-39.8	-38.7	6.6
1979	13.3	-1.6	11.4	-32.0	-35.9	4.0
1980	4.3	0.6	5.0	55.9	45.3	7.9
	Percent change from corresponding quarter in previous year					
1980 1st Q	10.3	-2.2	7.7	10.3	2.3	7.3
2nd Q	7.9	2.8	11.0	19.4	7.4	6.4
3rd Q	-7.5	-2.4	-6.1	126.7	129.5	10.1
4th Q	-0.3	3.2	7.0	93.3	71.4	7.8
1981 1st Q	-1.5	11.1	9.7	39.5	23.1	10.1
2nd Q	-2.4	-5.4	-7.5	60.5	165.5	11.7
3rd Q	0.2	-2.9	-2.7	-	-	11.1
Jan-Sep	-1.2	1.9	-0.4	-	-	10.9

NA Not available.

1/ Percent unemployed is defined as the percentage of insured persons to the total of insured unemployed and full-time equivalent jobs.

2/ 1980 3rd Q data include the jobs of 5,450 workers on strike during September 1980.

Source: Hawaii State Department of Labor and Industrial Relations.

Table 19.-- HONOLULU CONSTRUCTION COST INDEXES: 1970 TO 1981

[1967=100.]

Year 1/	Single-family residence			High-rise building		
	All components	Material prices	Labor 2/	All components	Material prices	Labor 2/
1970	118.0	112.9	124.5	117.9	109.3	125.2
1975	175.7	167.1	186.6	178.8	171.3	185.3
1976	193.9	176.3	215.9	199.1	178.5	216.9
1977	221.2	197.7	251.2	221.9	188.1	251.2
1978	243.4	218.7	274.5	241.3	204.7	273.1
1979	266.2	248.3	288.8	264.3	237.6	287.5
1980	283.0	263.8	300.2	289.7	270.5	306.4
1980						
Mar. ...	286.3	273.5	302.4	287.6	270.8	302.2
June ...	277.1	256.3	303.2	285.8	266.3	302.8
Sept. ..	287.1	262.6	317.9	297.4	274.8	317.0
Dec. ...	287.4	262.5	318.7	297.1	273.5	317.6
1981						
Mar. ...	288.6	254.2	332.0	304.6	272.4	332.6
June ...	287.1	250.3	333.6	304.9	271.8	333.6
	Percent change from previous year					
1975	6.7	5.1	8.7	9.2	10.8	5.5
1976	10.4	5.5	15.7	11.4	4.2	17.1
1977	14.1	12.1	16.4	11.5	5.4	15.8
1978	10.0	10.6	9.3	8.7	8.8	8.7
1979	9.4	13.5	5.2	9.5	16.1	5.3
1980	6.3	6.2	6.4	9.6	13.8	6.6
	Percent change from corresponding period in previous year					
1980						
Mar. ...	9.8	13.8	5.5	10.9	18.2	5.9
June ...	5.3	5.3	5.2	9.0	14.1	5.5
Sept. ..	5.8	3.3	8.5	10.6	13.7	8.5
Dec. ...	3.2	-1.3	8.3	7.6	6.7	8.4
1981						
Mar. ...	0.8	-7.1	9.8	5.9	0.6	10.1
June ...	3.6	-2.3	10.0	6.7	2.1	10.2

1/ Annual averages unless otherwise specified.
2/ Includes wages and benefits.
Source: First Hawaiian Bank, Research Division.

5. PERSONAL INCOME

Personal income in Hawaii during the second quarter of 1981 was estimated at about $2.6 billion seasonally adjusted, equal to an annual rate of $10.2 billion (Table 20). This total is 11.9 percent higher than personal income in the second quarter of 1980. At the national level, personal income increased 12.1 percent from the second quarter of 1980.

The U.S. Department of Commerce has revised estimates of per capita personal income for the U.S. and Hawaii, based on results of the 1980 Census (Table 21). Hawaii's revised per capita personal income in 1980 was $10,101 -- 6.1 percent more than the national average and 10.6 percent greater than per capita income in 1979.

Personal income for the entire decade of the 1970s (Table 22), increased 174.1 percent (1970 to 1980) an average annual rate of 10.6 percent. Total personal income generated through the services industry grew fastest over the decade at 230.4 percent, or an average 12.7 percent per year.

However, due to increases in population, the level of per capita personal income increased at a slower rate; 116.1 percent or an average 8.0 percent per year. Corrected for the revised resident population count of the 1980 Census, 1980 per capita personal income was $10,101 compared with $4,674 in 1970.

Table 20.-- TOTAL PERSONAL INCOME FOR THE UNITED STATES AND HAWAII: 1970 TO 1981

[In millions of dollars.]

Year	Total personal income		Percent increase from previous year	
	United States	Hawaii	United States	Hawaii
1970	803,922	3,566	7.5	14.5
1971	861,904	3,823	7.2	7.2
1972	944,852	4,178	9.6	9.3
1973	1,058,902	4,650	12.1	11.3
1974	1,162,203	5,298	9.8	13.9
1975	1,259,430	5,802	8.4	9.5
1976	1,386,772	6,264	10.1	8.0
1977	1,533,768	7,023	10.6	12.1
1978	1,717,816	7,727	12.0	10.0
1979	1,939,486	8,673	12.9	12.2
1980	2,162,936	9,775	11.5	12.7
1979 1/ 1st Q ..	1,852,247	8,055	13.9	11.8
2nd Q ..	1,894,582	8,245	12.6	11.9
3rd Q ..	1,951,157	8,476	12.2	11.0
4th Q ..	2,010,035	8,710	11.6	10.4
1980 1/ 1st Q ..	2,062,761	9,024	11.4	12.0
2nd Q ..	2,088,490	9,136	10.2	10.8
3rd Q ..	2,155,782	9,477	10.5	11.8
4th Q ..	2,228,277	9,849	10.9	13.1
1981 1/ 1st Q ..	2,292,539	10,057	11.1	11.4
2nd Q ..	2,340,535	10,221	12.1	11.9

1/ Seasonally adjusted at annual rates. Unrevised quarterly data do not correspond to revised annual figures.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, April 1981 (quarterly data), August 1981 (revised annual).

Table 21.-- PER CAPITA PERSONAL INCOME FOR THE UNITED STATES AND HAWAII: 1970 TO 1980

[Dollars.]

Year	Per capita personal income		Annual percent increase	
	United States	Hawaii	United States	Hawaii
1970	3,945	4,674	6.2	11.5
1971	4,167	4,830	5.6	3.3
1972	4,515	5,107	8.4	5.7
1973	5,010	5,524	11.0	8.2
1974	5,448	6,174	8.7	11.8
1975	5,845	6,631	7.3	7.4
1976	6,374	7,020	9.1	5.9
1977	6,979	7,669	9.5	9.3
1978	7,735	8,319	10.8	8.5
1979	8,637	9,129	11.7	9.7
1980	9,521	10,101	10.2	10.6

Source: U.S. Department of Commerce, Bureau of Economic Analysis, August 1981.

Table 22.-- COMPARISON OF MAJOR SOURCES OF PERSONAL INCOME: 1970 AND 1980

[In millions of dollars.]

Total labor and proprietors income	1980	1970	% change
By type:			
Wage & salary	6,573	2,644	149.5
Other labor income	474	116	308.6
Proprietors income	521	210	148.1
By industry:			
Farm	231	120	92.5
Nonfarm	7,337	2,850	157.4
Private	4,990	1,880	165.4
Agricultural services	36	11	227.3
Construction	550	321	71.3
Manufacturing	406	204	99.0
Transportation, utilities	707	248	185.1
Wholesale trade	335	146	129.5
Retail trade	867	300	189.0
Finance, insurance, real estate	543	183	196.7
Services	1,543	467	230.4
Government	2,347	971	141.7
Federal, civilian	655	338	93.8
Federal, military	810	290	179.3
State, local	883	343	157.4
Derivation of personal income:			
Total labor & proprietors income	7,568	2,970	154.8
Less: personal contributions for social insurance	444	136	226.5
Net labor & proprietors income	7,124	2,834	151.4
Plus: dividends, interest, rent	1,446	475	204.4
Plus: transfer payments	1,204	258	366.7
Total personal income	9,775	3,566	174.1
Population (persons)	968,000	763,000	26.9
Per capita personal income (in dollars)	10,101	4,674	116.1

Source: U.S. Department of Commerce Bureau of Economic Analysis, August 1981.

6. COST OF LIVING AND PRICES

The Honolulu Consumer Price Index (CPI-U) increased at an annual rate of 6.1 percent between June and August of 1981 (Table 23). This represents a considerable improvement over the 14.6 percent annual rate experienced during the first six months of this year.

Among the components of the CPI-U, the annual rate of increase between June and August were; food, 3.1 percent; housing, 6.1 percent; apparel and upkeep, 7.6 percent; transportation, 5.3 percent; and medical care, 3.7 percent.

Table 23.-- CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U) FOR SELECTED ITEMS, HONOLULU: 1978 TO 1981

[1967=100.]

Month and year	All items	Food	Housing	Apparel and upkeep	Trans-portation	Medical care
1978	184.1	212.8	171.7	161.3	170.4	221.0
1979	204.6	239.8	192.7	171.7	189.5	238.7
1980	228.5	260.9	217.5	184.4	224.7	259.5
1980						
February	220.9	251.7	208.9	180.5	215.7	247.3
April	227.4	256.1	217.8	181.2	221.5	257.1
June	227.5	256.7	216.6	181.5	222.5	256.8
August	230.1	262.9	216.5	187.5	227.6	262.2
October	234.6	267.1	222.0	188.3	229.3	267.3
December	236.1	271.1	223.0	187.5	231.5	266.5
1981						
February	243.3	280.3	229.8	190.8	239.9	272.0
April	250.0	284.8	238.9	190.5	244.7	280.6
June	252.8	286.2	242.0	190.2	247.7	286.9
August	256.6	288.4	245.6	193.7	250.9	297.6
Percent increase August 1980 to August 1981	11.5	9.8	13.4	3.3	10.2	13.5

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Table 24.-- COMPARATIVE FAMILY BUDGETS FOR HONOLULU: 1970 TO 1980

Type of family and date	Cost of budget (dollars)			Percent of U.S. urban average		
	Lower budget	Intermediate budget	Higher budget	Lower budget	Intermediate budget	Higher budget
URBAN FAMILY OF FOUR PERSONS						
1970: Spring ..	8,597	12,776	19,311	124	120	125
1975: Autumn ..	12,226	18,694	28,302	128	122	127
1976: Autumn ..	12,711	19,633	30,086	127	121	127
1977: Autumn ..	13,280	20,883	31,897	127	122	127
1978: Autumn ..	14,870	23,099	35,602	129	124	130
1979: Autumn ..	16,507	25,799	39,689	131	126	131
1980: Autumn ..	18,480	28,488	44,396	132	123	129
RETIRED COUPLE						
1970: Spring ..	3,562	5,166	8,312	115	115	117
1975: Autumn ..	5,168	7,339	10,726	115	114	112
1976: Autumn ..	5,397	7,691	11,318	115	114	113
1977: Autumn ..	5,711	8,107	11,882	114	113	111
1978: Autumn ..	6,357	8,987	13,085	115	115	113
1979: Autumn ..	7,040	9,972	14,508	117	116	115
1980: Autumn ..	7,776	10,979	15,889	117	116	114

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Table 25.-- COMPARISON OF ANNUAL BUDGETS ON THE INTERMEDIATE LEVEL FOR A FOUR-PERSON FAMILY IN THE U.S., HONOLULU, AND SELECTED CITIES: AUTUMN 1980

(Dollars)

Item	U.S. urban average	Honolulu	New York	Washington, D.C.	Chicago	Denver	Los Angeles	Seattle
Total budget	23,134	28,488	26,749	25,203	23,387	22,813	22,500	23,392
Total consumption	16,969	19,546	18,561	17,770	17,424	16,893	16,763	17,888
Food	5,571	6,952	6,187	5,864	5,633	5,212	5,411	5,550
At home	4,664	6,070	5,081	4,954	4,728	4,346	4,400	4,560
Away from home	907	882	1,106	910	905	866	1,011	990
Housing	5,106	5,863	6,227	5,430	5,263	4,941	4,762	5,534
Shelter 1/	3,998	4,563	5,149	4,237	4,245	3,714	3,706	4,301
Renter	2,533	3,681	2,798	2,858	2,647	2,206	3,112	3,628
Homeowner	4,486	4,857	5,933	4,696	4,777	4,217	3,904	4,525
Furnishings & operations	1,108	1,300	1,078	1,193	1,018	1,227	1,056	1,233
Transportation	2,116	2,181	1,944	2,112	2,199	2,182	2,200	2,136
Automobile owners	2,225	2,181	2,256	2,191	2,628	2,182	2,286	2,136
Clothing	1,292	1,371	1,496	1,265	1,178	1,716	1,223	1,478
Personal care	471	540	424	516	465	466	460	544
Medical care	1,303	1,400	1,073	1,354	1,426	1,209	1,683	1,450
Other consumption 1/	1,109	1,239	1,123	1,229	1,260	1,167	1,024	1,196
Other items 2/	957	1,047	962	985	973	954	950	989
Soc. sec. & dis. taxes	1,427	1,655	1,487	1,545	1,434	1,398	1,493	1,434
Personal income taxes	3,781	6,240	4,426	4,903	3,556	3,568	3,294	3,081

1/ Such as recreation, tobacco products, alcoholic beverages, education, etc.
2/ Such as gifts, contributions, life insurance, occupational expenses, etc.
Source: U.S. Department of Labor, Bureau of Labor Statistics, Autumn 1980 Urban Family Budgets and Comparative Indexes for Selected Urban Areas, April 1981.

7. MAJOR SOURCES OF INCOME

The sale of Hawaii's raw sugar and molasses in 1980 amounted to $594.1 million. This is 72 percent more than revenue from sales in 1979. The increase in revenue was due entirely to the sharp increase in prices during 1980, which was, in turn, caused by consumption of sugar worldwide exceeding production. Inventories of raw sugar were drawn down to make up the difference. The peak in prices was reached in November 1980 at an average $834 per ton on the New York spot market. Sugar prices declined throughout the first nine months of 1981 as prospects increased that the 1981-82 crop year would result in a record year for sugar production worldwide. The world price for raw cane sugar fell to about $240 per ton in October, while the New York spot price ranged from $300 to $320 per ton.

Total sales of canned and fresh pineapple in 1980 were an estimated $223.4 million, 8.2 percent above 1979 sales. Canned pineapple sales were $189.1 million, up 7.3 percent from 1979, while fresh pineapple sales totaled $34.3 million, 14.2 percent over 1979.

The preliminary $3.0 billion estimate for 1980 visitor spending in Hawaii remains, pending final results of the Hawaii Visitors Bureau 1980 visitor expenditure survey.

Defense expenditures in the second quarter of 1981 increased 6.4 percent over the same quarter in 1980. Defense expenditures during the first six months of 1981 were up 5.1 percent over the same period in 1980.

Table 26--DIRECT INCOME OR SALES OF MAJOR EXPORT INDUSTRIES: 1960 TO 1980

[Millions of dollars.]

Year	Income or sales			
	Visitor expenditures	Defense expenditures	Value of sales	
			Sugar 1/	Pineapple
1960	131	351.4	118.4	119.4
1970	595	639.4	187.8	138.6
1971	705	708.8	202.9	141.4
1972	840	744.2	184.7	145.4
1973	1,020	840.9	222.2	142.4
1974	1,225	897.9	676.6	127.1
1975	1,360	982.9	366.1	136.7
1976	1,640	1,034.2	257.0	144.5
1977	1,845	1,086.6	226.8	161.6
1978	2,188	1,155.5	285.2	162.9
1979	2,620	1,221.7	345.7	206.4
1980	3,000 (p)	1,317.4	594.1	223.4

p Preliminary.

1/ Includes value of molasses.

Source: Hawaii Visitors Bureau; quarterly reports of local commanding officers; Department of Agriculture; Hawaii Sugar Planters' Association; and Bank of Hawaii.

Table 27.-- MILITARY EXPENDITURES IN HAWAII: 1970 TO 1981 1/

[Millions of dollars.]

Year or quarter	Total	Navy and Marine	Army	Air Force	Coast Guard
1970	639.4	328.7	183.5	114.0	13.2
1975	982.9	469.7	378.3	118.6	16.3
1978	1,155.5	582.3	434.1	117.5	21.6
1979	1,221.7	640.8	429.6	129.3	22.1
1980	1,317.4	711.3	441.8	141.7	22.7
1980					
1st Q	328.3	178.8	104.5	39.0	6.0
2nd Q	319.5	172.0	108.7	32.6	6.1
3rd Q	337.6	185.4	113.0	34.4	4.8
4th Q	332.0	175.0	115.6	35.6	5.8
1981					
1st Q	341.0 2/	177.6	119.2	38.2	6.0 2/
2nd Q	340.0	180.2	116.8	36.2	6.7
	Percent change from previous year				
1978	6.4	8.9	3.5	6.1	0.5
1979	5.7	10.1	-1.0	10.0	2.3
1980	7.8	11.0	2.8	9.6	2.7
	Percent change from corresponding quarter in previous year				
1980					
1st Q	7.8	12.3	-2.3	18.9	7.1
2nd Q	9.1	14.4	3.0	0.9	27.1
3rd Q	5.8	9.4	1.4	5.2	-12.7
4th Q	8.8	8.2	9.4	13.0	-6.5
1981					
1st Q	3.9	-0.7	14.1	-2.1	0.0
2nd Q	6.4	4.8	7.5	11.0	9.8

1/ Includes all appropriated expenditures for military and civilian payrolls, services, supplies and construction. Excludes R&R expenditures, dependent allotments, retired military pay and non-appropriated funds for exchanges, clubs, special services, etc.

2/ Estimated in lieu of first quarter report.

Source: Quarterly reports from each branch of service, compiled by DPED.

8. POPULATION

The preliminary estimate of resident population of Hawaii on July 1, 1981 was 989,000 (Table 28). By county, the resident population estimates were: Honolulu, 779,100; Hawaii, 756,000; Maui (including the Islands of Maui and Molokai), 74,100; and Kauai 40,200.

Additional information from the 1980 census of population is now available. Resident population by age, sex and ethnicity are shown in Table 31.

Table 28.-- RESIDENT POPULATION, BY COUNTIES: 1970 TO 1981

[Includes military personnel and dependents.]

Year 1/	State total	City & Co. of Honolulu	Hawaii County	Kauai County	Maui County
1970 April 1 ..	769,913	630,528	63,468	29,761	46,156
July 1 ...	776,000	634,700	64,500	30,100	46,700
1971	801,000	654,400	67,200	31,100	48,300
1972	828,000	675,700	70,200	31,800	50,300
1973	851,000	693,400	72,900	32,600	52,100
1974	867,000	704,300	75,600	32,800	54,300
1975	884,000	714,300	78,100	34,100	57,500
1976	902,000	726,000	80,600	35,200	60,200
1977	916,000	733,800	83,000	36,200	63,000
1978	929,000	740,300	85,700	37,000	66,000
1979	950,000	754,000	89,000	38,100	68,900
1980 April 1 ..	964,691	762,565	92,053	39,082	70,991
July 1 2/.	969,600	765,900	92,800	39,300	71,600
1981 2/	989,000	779,100	95,600	40,200	74,100

1/ July 1 unless otherwise specified.
2/ Interim estimates based on linear projection of 1970-1980 trends.
Source: Hawaii State Department of Planning and Economic Development, Preliminary Intercensal Population Estimates, 1970-1980 (Statistical Report 1 7, July 2, 1981); U.S. Bureau of the Census, 1980 census correction note sent August 20, 1981.

Table 29.-- RESIDENT POPULATION, BY MILITARY STATUS: 1970 TO 1981

[Excludes visitors present but includes residents temporarily absent.]

Year 1/	Total resident population	Armed forces 2/	Civilian population		
			All civilians	Military dependents 3/	Not military dependents
1970: April 1 .	769,913	55,142	714,771	61,858	652,913
July 1 ..	776,000	53,200	722,800	57,800	665,000
1971	801,000	50,800	750,200	62,200	688,000
1972	828,000	52,000	776,000	66,200	709,800
1973	851,000	58,100	792,900	70,300	722,600
1974	867,000	57,500	809,500	68,300	741,200
1975	884,000	58,900	825,100	63,700	761,400
1976	902,000	57,800	844,200	67,000	777,200
1977	916,000	56,500	859,500	65,000	794,500
1978	929,000	58,300	870,700	61,100	809,600
1979	950,000	57,900	892,100	64,500	827,600
1980: April 1 .	964,691	61,019	903,672	64,023	839,649
July 1 4/	969,600	(NA)	(NA)	(NA)	(NA)
1981 4/	989,000	(NA)	(NA)	(NA)	(NA)

NA Not available.

1/ As of July 1 unless otherwise specified.

2/ These figures are the estimates prepared by the U.S. Bureau of the Census for use in State population estimation, and differ somewhat from the data compiled by the Hawaii State Department of Planning and Economic Development (and published annually in Military Personnel and Dependents in Hawaii) and the U.S. Bureau of Economic Analysis (for calculating per capita personal income).

3/ Dependents living in Hawaii, regardless of location of family head.

4/ Interim estimate based on linear projection of 1970-1980 trend.

Source: Hawaii State Department of Planning and Economic Development, Preliminary Intercensal Population Estimates, 1970-1980 (Statistical Report 147, July 9, 1981); U.S. Bureau of the Census, 1980 census correction note sent August 20, 1981.

Table 30.-- RESIDENT AND DE FACTO POPULATION, BY RESIDENCE STATUS: 1970 TO 1981

Year 1/	Resident population 2/		De facto population 3/	
	Total	Temporarily absent 4/	Total	Visitors present 4/
1970: April 1 ..	769,913	10,300	796,500	36,900
July 1 ...	776,000	10,000	802,900	36,900
1971	801,000	9,400	832,500	40,900
1972	828,000	8,600	869,500	50,100
1973	857,000	9,800	900,700	59,600
1974	867,000	7,800	922,800	63,500
1975	884,000	9,000	941,300	66,300
1976	902,000	9,400	968,100	75,500
1977	916,000	9,000	990,000	83,000
1978	929,000	9,300	1,011,700	92,000
1979	950,000	9,300	1,039,400	98,700
1980: April 1 ..	964,691	9,600	1,052,700	97,600
July 1 5/.	969,600	9,600	1,056,500	96,500
1981 5/	989,000	(NA)	(NA)	(NA)

NA Not available.

1/ As of July 1 unless otherwise specified.

2/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area but excludes persons of local origin attending school or in military service outside the area.

3/ The de facto population is defined as the number of persons physically present in an area, regardless of usual place of residence; it includes visitors present but excludes residents temporarily absent.

4/ Averages for 12-month periods centered on the estimate or census dates.

5/ Interim estimate subject to later revision.

Source: Hawaii State Department of Planning and Economic Development, Preliminary Intercensal Population Estimates, 1970-1980 (Statistical Report 147, July 9, 1981); U.S. Bureau of the Census, 1980 census correction note sent August 20, 1981.

Table 31.-- AGE, SEX, AND RACE OF THE HAWAII POPULATION: 1980

Age	Sex			Race 1/	Number
	Total	Male	Female		
All ages	964,691	494,683	470,008	All races ...	964,691
Under 5 years	77,848	40,004	37,844	White	318,770
5 to 9 years	73,057	37,555	35,502	Black	17,364
10 to 14 years	74,870	38,459	36,411	American Indian ..	2,655
15 to 19 years	86,446	45,673	40,773	Eskimo	68
20 to 24 years	105,682	59,070	46,612	Aleut	45
25 to 29 years	95,287	48,864	46,423	Japanese	239,748
30 to 34 years	84,314	42,990	41,324	Chinese	56,285
35 to 44 years	111,416	56,449	54,967	Filipino	133,940
45 to 54 years	94,444	44,887	49,557	Korean	17,962
55 to 59 years	47,383	23,502	23,881	Asian Indian	604
60 to 64 years	37,794	18,871	18,923	Vietnamese	3,463
65 to 74 years	49,375	26,375	23,000	Hawaiian	115,500
75 to 84 years	21,214	9,973	11,241	Guamanian	1,677
85 years and over ..	5,561	2,011	3,550	Samoan	14,073
				Other	42,537
Under 18 years	275,583	141,516	134,067		
18 to 64 years	612,958	314,808	298,150		
65 years and over ..	76,150	38,359	37,791		

1/ By self-identification or race of mother.

Source: U.S. Bureau of the Census, Census of Population and Housing, 1980: Summary Tape File 1A, Hawaii (1981).

Table 32.-- CURRENT ECONOMIC AND DEMOGRAPHIC TRENDS: STATE OF HAWAII

Series	Unit	Period	Number	Percent change	
				From preceeding period	From same period in previous year
Resident population					
State	Persons	July 1, 1981	989,000	23.5 1/	NA
Oahu	Persons	July 1, 1981	779,100	19.1 1/	NA
Hawaii County	Persons	July 1, 1981	95,600	42.3 1/	NA
Kauai County	Persons	July 1, 1981	40,200	29.3 1/	NA
Maui County	Persons	July 1, 1981	74,100	53.4 1/	NA
Income					
Total personal income 2/	$ Million	2nd Q 1981	10,221	1.6	11.9
Per capita income	$	1980	10,101	10.6	-
Consumer price index					
All items	(1967=100)	August 1981	256.6	1.1 3/	11.5
Food prices	(1967=100)	August 1981	288.4	0.5 3/	9.8
Construction, Statewide					
Total private permits - State	$ Million	3rd Q 1981	196.1	-26.3	-42.8
Total residential permits - Oahu	$ Million	3rd Q 1981	93.0	-48.6	-61.3
New single-family units	Number	3rd Q 1981	658	-5.6	-25.8
New multi-family units	Number	3rd Q 1981	672	-64.2	-71.3
Government contracts awarded	$ Million	1st Q 1981	90.2	54.7	114.3
Construction cost indexes					
Single family (p)	(1967=100)	June 1981	287.3	-0.4 4/	3.7
High-rise buildings (p)	(1967=100)	June 1981	304.9	0.2 4/	6.7
Employment (p)					
Total civilian labor force	Persons	3rd Q 1981	409,250	0.3	2.1
Civilian employment	Persons	3rd Q 1981	387,600	0.6	1.9
Civilian unemployment	Persons	3rd Q 1981	21,650	-5.5	5.4
Unemployment rate	Percent	3rd Q 1981	5.3	-	-
Total non-agr. jobs	Number	3rd Q 1981	402,100	-0.8	-0.5
Visitor industry					
Total visitors	Number	3rd Q 1981	1,023,877	4.0	-2.2
Westbound	Number	3rd Q 1981	240,557	5.8	-4.4
Eastbound	Number	3rd Q 1981	783,330	-1.5	4.3
Visitor expenditures	$ Million	1980	3,000	-	14.5
Hotel units	Number	June 1980	56,502	-0.5 5/	1.7
Defense expenditures	$ Million	1st Q 1981	340.0	-0.3	6.4
Sugar sales	$ Million	1980	594.1	-	71.9
Pineapple sales	$ Million	1980	223.4	-	8.2

p Preliminary; Q Calendar Quarter; and NA Not available.
1/ From July 1, 1971.
2/ Seasonally adjusted annual rate.
3/ From June 1981.
4/ From March 1980.
5/ From February 1980.

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HAWAII
ECONOMIC RESEARCH REPORTS

QUARTERLY STATISTICAL AND ECONOMIC REPORT
STATE OF HAWAII

First Quarter 1982

RESEARCH AND ECONOMIC ANALYSIS DIVISION

DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

QUARTERLY STATISTICAL AND ECONOMIC REPORT
STATE OF HAWAII

First Quarter 1982

QUARTERLY STATISTICAL AND ECONOMIC REPORT - STATE OF HAWAII

First Quarter 1982

This quarterly report has been prepared by the Research and Economic Analysis Division of the Department of Planning and Economic Development (DPED). The purpose of the report is to present information and analysis concerning current statistical and economic trends affecting Hawaii. Technical notes and source descriptions have been kept to a minimum. However, the staff of the Research and Economic Analysis Division will be happy to respond to any inquiries of a technical nature that readers may have (548-3062).

The report was prepared under the direction of Dr. Richard Y. P. Joun, Head, Research and Economic Analysis Division, by Robert Shore, Sharon Nishi and Tu Duc Pham. Graphics were prepared by the Economic Planning Information System of DPED.

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1. THE ECONOMY -- HIGHLIGHTS AND OUTLOOK

Current Activity: Hawaii and the Nation

The State's economy continued to slowly lose momentum through the last quarter of 1981. The value of overall business transactions subject to excise and use tax slowed to about a 2 percent increase in the third quarter over the same period in 1980 although some improvement in October and November was observed (Figure 1). 1/ As a result, the growth in business sales during the last half of 1981 was well below the 17 percent increase in the first six months of 1981 from a year earlier. Several industries experienced a decline in sales during the third quarter of 1981 compared to a year earlier. These included sugar processing (down 48 percent), canned pineapple (down 11 percent), diversified manufacturing (down 12 percent) and construction (down one percent). The number of non-agricultural jobs in the State in the fourth quarter was 0.3 percent below the fourth quarter 1980 level (Figure 2).

The main cause of Hawaii's relatively flat economy over the past year has been the similar no-growth performance of the State's visitor industry during that time. Within the past six to eight months, however, unfavorable developments in a number of other important industries have placed a further drag on the State's economy. The decline in sugar revenues from almost $600 million in 1980 to an estimated $380 million in 1981 was the result of a sharp decline in raw sugar prices to below profitable levels. Pineapple processing experienced a decline in sales due to reduced demand and increased foreign competition in 1981. In addition, the effect of sustained high interest rates began to have a noticeable impact on construction activity in the State near the end of last year as the value of total private building construction authorizations declined about 35 percent during 1981.

The decline in the economic activity of these important industries has resulted in a slower rate of increase in State tax revenue as well as to the decrease in business transactions and the number of jobs available (Table 2). The collections from general excise and use taxes increased 9.1 percent in 1981 over 1980 measured in current dollars compared to an increase of 13.0 percent in 1980 over 1979. After adjusting these collections for the approximate effects of inflation using the Honolulu consumer price index, excise and use tax collections actually declined about 1.3 percent in real terms from 1980 to 1981. The growth in individual income tax collections was only 4.2 percent in 1981 in current dollars compared to a 16.9 percent increase in 1980. Corporate income tax collections declined in 1981 by 0.7 percent from 1980 compared to a 16.3 percent increase in 1980 over the 1979 total.

1/ "Business transactions" and sales reported in this section for various industries refer to the value of business receipts subject to the State's general excise and use tax (about 98 percent of all transactions) lagged backwards one month to account for the reporting delay. The values are in "current dollars" -- that is, dollars not corrected for the effects of inflation.

In tourism, Hawaii's most important industry, the last quarter of 1981 brought a modest increase in the total number of visitors from a year earlier (Table 17). The total number of visitors to the State increased 1.0 percent from the fourth quarter of 1980. For 1981, as a whole, the preliminary total overnight visitor count was virtually the same as 1980. The Neighbor Islands continued to experience declines in westbound visitor arrivals in the fourth quarter of 1981 but not as severe as earlier in the year (Table 18). This may indicate that the decline in tourism for the Neighbor Islands is nearing an end. However, it will still leave Neighbor Island tourism at significantly reduced levels compared to the last peak period of high visitor arrival rates in 1978-79.

At the National level, the recession deepened in the fourth quarter of 1981. Gross national product (GNP) fell at an annual rate of 4.7 percent in the fourth quarter. Unemployment reached 8.8 percent in December. (The rate unexpectedly declined to 8.5 percent in January -- apparently due to statistical error.) Inflation at the consumer level slowed during the fourth quarter of last year with the U.S. consumer price index (CPI-U) increasing at an annual rate of 8.9 percent compared to an 11.9 percent rate in the third quarter. But interest rates remained relatively high with the prime rate averaging almost 16 percent and long-term bond rates about 15 percent during the quarter.

Outlook for the U.S. Economy

The UCLA national business forecast anticipates a decline in real GNP during the first quarter of 1982 followed by a modest increase in the second quarter. Thereafter, the recovery is expected to gather momentum slowly with GNP growing at an annual rate of between 3 and 4 percent by the end of 1982. For 1982 as a whole, the forecast anticipates that short-term interest rates and the inflation rate will decline (Table 3). The prime rate is forecast to average about 13 percent during 1982. The annual rate of increase in the U.S. consumer price index (CPI-U) may average as low as 6 percent.

Long-term interest rates are expected to decline only modestly in 1982. The AAA corporate bond rate is forecast to average about 14 percent during 1982. The average mortgage rate is expected to decline from a 15 to 16 percent range in the first half of 1982 to a 14 to 15 percent range in the second half.

The outlook for the U.S. economy over the next several years is one of modest rather than robust recovery from the current recession. The UCLA forecast anticipates that economic growth this year will be so gradual that real GNP in 1982 may be below the 1981 level. The growth of GNP in both 1983 and 1984 is expected to be about 4 percent. A significant reduction in the inflation rate is expected in the next several years although interest rates will remain high and will decline only gradually. The annual rate of increase in the U.S. CPI-U is expected to slow to roughly 6 percent in 1982 through 1984. Long-term interest rates are forecast to decline by about one percentage point per

year in the 1982 to 1984 period from present levels. This would imply a long-term AAA bond rate of about 11 percent, and an average mortgage rate of about 13 percent in 1984. Unemployment can be expected to remain relatively high, averaging almost 9 percent in 1982 and declining slightly to about 8 percent in 1984. The prime lending rate is expected to remain between 13 and 14 percent throughout the 1982 to 1984 period.

The DPED Economic Forecast for Hawaii

The economic outlook for Hawaii in 1982 is clouded for a second year by the confusing state of the U.S. economy. If the apparently "middle-of-the-road" prediction is correct that the national economy will begin a sustained recovery after the second quarter of 1982, Hawaii may look forward to some modest growth in the second half of the year. However, the uncertain future for interest rates and the as yet unknown impact of the Reagan Administration's current and proposed FY 1983 budgets make current forecasting difficult and subject to frequent revision as conditions change.

The three forecasts presented in Table 4 are the product of the Hawaii Econometric Forecasting Model developed by DPED. They differ primarily by the assumptions made about outside forces that affect economic activity in Hawaii. The "base" forecast incorporates assumptions about visitor spending and other export income thought most likely to occur based on analysis by DPED economists. These assumptions (shown in Table 5) anticipate a 2 percent real increase in visitor expenditures, and a 7 percent increase in consumer prices during 1982. 1/ Given these assumptions, the total number of jobs can be expected to increase about 0.5 percent in 1982 over 1981. Total personal income is forecast to increase 8.8 percent in 1982. After adjusting for the anticipated increase in consumer prices (7.0 percent), the increase in real personal income is expected to amount to about 1.7 percent. The model forecasts general excise and use tax collections to increase 8.2 percent in fiscal year 1982, and general fund tax revenue to decline about 0.2 percent (due mainly to the $100 per person tax credit approved by the 1981 Legislature). 2/

The total value of real construction in 1982 is forecast to decrease 12.5 percent from 1981. However, due to the volatility in that industry, forecasts of construction can have wide margins of error.

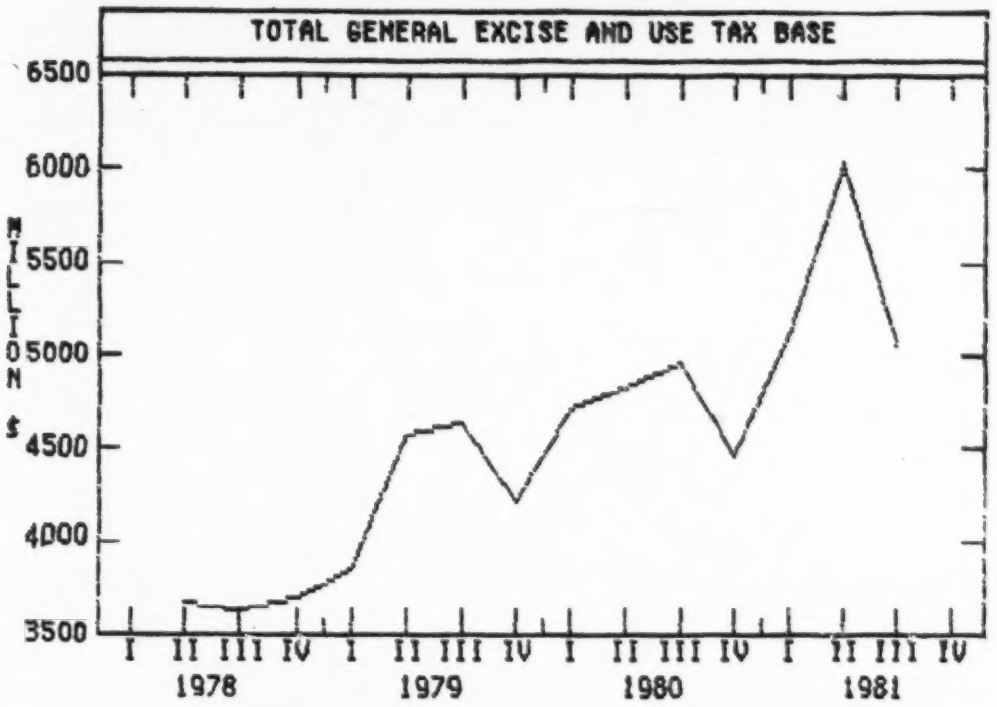
1/ The actual number of visitors to Hawaii is expected to be between 1 and 3 percent in 1982. The increase in the Honolulu CPI-U in 1982 is based on the UCLA forecast of the U.S. CPI-U.

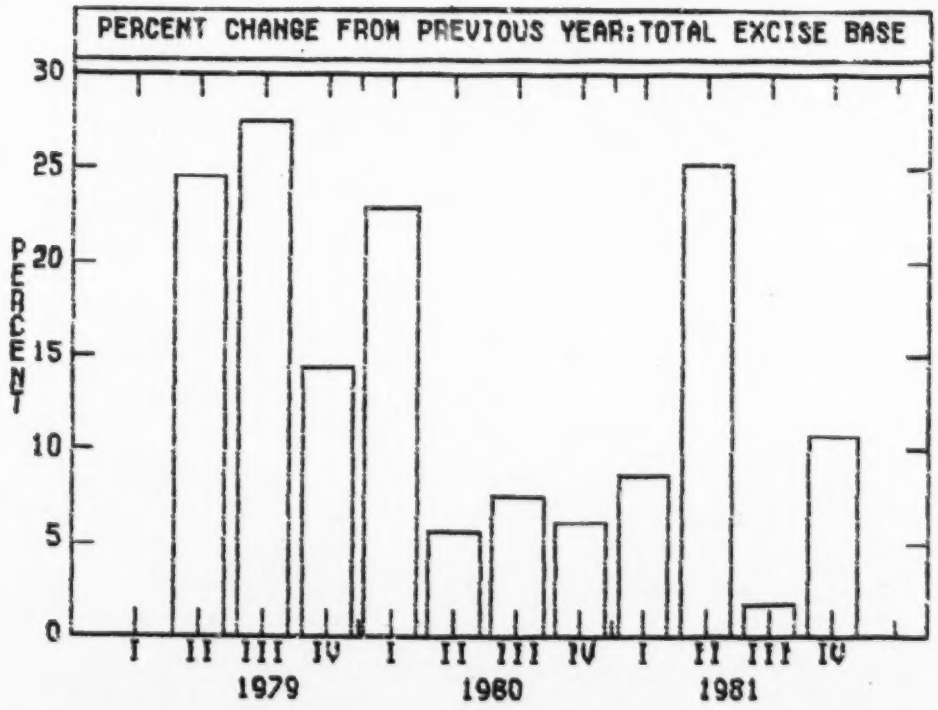
2/ Forecasts of State tax generated through the Hawaii Econometric Model are presented for informational purposes only and are not official State forecasts. Official forecasts of State tax revenue are prepared by the Hawaii State Council on Revenues. For FY 1982, the Council forecasts an increase in excise and use tax collections of 7.5 percent and a decrease in General Fund tax revenue of 1.3 percent.

The alternative "higher" and "lower" forecasts incorporate assumptions of a more optimistic or pessimistic level which are considered possible but not likely to occur. The purpose of the alternative forecasts is to show the reader how the State's economy may be expected to behave under such assumptions. The lower forecast based upon a 2 percent decline in real visitor expenditures would result in a 0.6 percent decline in total jobs in 1982. The higher forecast assumption of a 6 percent increase in visitor expenditures would result in a 2.2 percent increase in jobs.

The forecasts for 1983 are tied closely to the ultimate accuracy of the 1982 forecasts. They are based on the expectation of an improving economic environment nationally. The base forecast for 1983 anticipates accelerating increases in personal income and jobs, and the beginning of a recovery in construction.

Figure 1.-- TOTAL BUSINESS TRANSACTIONS SUBJECT TO EXCISE AND USE TAX; QUARTERLY TOTALS AND PERCENT CHANGE FROM PREVIOUS YEAR: 1979 TO 1981 1/





Note: Data for fourth quarter 1981 include only October and November.
1/ Data lagged one month by DPED to account for reporting delays.
Prepared by: DPED, Economic Planning Information System.
Data source: Hawaii Department of Taxation.

Table 1.-- VALUE OF BUSINESS TRANSACTIONS IN HAWAII SUBJECT TO STATE EXCISE AND USE TAX: 1980 AND 1981 1/

[Millions of dollars.]

	Total taxable transactions	Selected industry transactions				
		Retailing	Services	Hotel rental	Diversified agriculture	Manufacturing
1980	18,966.2	6,075.5	1,750.1	720.7	141.3	620.1
1980						
1st Q	4,710.9	1,567.4	409.3	210.8	22.0	162.8
2nd Q	4,825.2	1,530.2	467.3	174.5	42.5	149.9
3rd Q	4,967.3	1,519.2	485.2	189.1	36.4	173.8
4th Q	4,462.8	1,458.7	388.2	146.2	40.4	133.5
1981						
1st Q	5,119.4	1,703.7	447.6	200.6	43.1	148.7
2nd Q	6,042.0	1,772.0	501.5	220.6	55.1	191.8
3rd Q	5,053.3	1,674.3	438.7	182.2	39.7	152.7
Oct/Nov ..	3,391.1	1,095.0	293.2	117.5	24.1	94.1
Jan-Nov ..	19,605.8	6,245.0	1,681.0	720.9	162.0	587.3
	Percent change from same period in previous year					
1980						
1st Q	23.0	16.9	22.6	27.0	-45.3	55.4
2nd Q	5.5	10.3	21.3	-11.2	3.4	-8.5
3rd Q	7.4	6.8	32.1	14.3	-0.6	8.7
4th Q	6.1	6.1	16.2	11.4	5.7	-8.0
1981						
1st Q	8.7	8.7	9.4	-4.9	95.6	-8.6
2nd Q	25.2	15.9	7.3	26.4	29.6	27.9
3rd Q	1.7	10.3	-9.6	-3.7	9.2	-12.2
Oct/Nov ..	10.8	8.7	13.0	21.8	-6.8	4.4
Jan-Nov ..	11.6	11.0	3.7	7.5	27.8	1.8

1/ Data lagged one month to account for reporting delay.
Source: Hawaii Department of Taxation.

Table 2.-- COLLECTIONS OF KEY STATE TAXES AND GENERAL FUND TAX REVENUES: CALENDAR YEARS 1970 TO 1981

[Thousands of dollars.]

Year	General excise and use tax	Net individual income tax 1/	Net corporate income tax 2/	Tax revenues distributed to State general fund 3/
1970	172,289	112,019	13,241	337,216
1975	301,475	178,922	37,310	585,701
1978	392,236	239,587	25,597	749,216
1979	466,535	287,162	37,774	890,434
1980	527,304	335,850	43,913	1,008,750
1981	575,216	349,643	43,595	1,070,895
1980 1st Q	128,063	84,993	10,765	239,524
2nd Q	137,297	80,988	16,590	270,224
3rd Q	132,181	84,052	12,089	254,960
4th Q	129,765	85,637	4,468	244,178
1981 1st Q	134,737	83,224	10,042	244,361
2nd Q	152,233	81,655	20,354	294,415
3rd Q	147,969	92,788	9,705	270,951
4th Q	140,278	91,975	2,847	261,168
	Percent change from previous year			
1978	11.4	12.9	11.2	11.5
1979	18.9	19.9	47.6	18.8
1980	13.0	16.9	16.3	13.3
1981	9.1	4.2	-0.7	6.1
	Percent change from corresponding quarter in previous year			
1980 1st Q	11.4	22.2	21.4	13.5
2nd Q	15.7	12.2	19.9	11.9
3rd Q	16.0	17.4	12.9	16.9
4th Q	9.0	16.0	2.6	11.2
1981 1st Q	5.2	-2.1	-6.7	2.0
2nd Q	10.9	0.8	22.7	9.0
3rd Q	11.9	10.4	-19.7	6.3
4th Q	8.1	7.4	-36.3	7.0

1/ Declaration of estimated taxes, plus payments with returns, plus withholding tax on wages, less refunds.

2/ Declaration of estimated taxes, plus payments with returns, less refunds.

3/ Excludes non-tax sources.

Source: Hawaii State Department of Taxation.

Table 3.-- SUMMARY OF UCLA ECONOMETRIC FORECAST: 1982 TO 1984

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
GNP AND ITS COMPONENTS											
CONSUMER EXPENDITURES	888.1	976.4	1084.3	1205.5	1348.7	1510.9	1672.7	1857.6	1993.4	2186.5	2381.7
BUSINESS FIXED INVESTMENT	156.6	157.8	174.1	205.5	242.0	279.7	295.9	326.5	332.3	367.9	414.2
RESIDENTIAL CONSTRUCTION	58.0	55.3	72.0	95.8	111.2	118.6	105.3	105.7	108.0	156.4	176.2
INVENTORY INVESTMENT	14.1	-6.9	11.8	21.0	22.2	17.5	-5.9	14.9	-7.6	9.5	20.4
NET EXPORTS	13.4	26.8	13.8	-4.2	-0.6	13.4	23.3	24.4	18.0	20.2	20.4
FEDERAL PURCHASES	111.0	122.7	129.2	143.9	153.3	167.9	198.9	227.1	249.4	273.1	296.7
STATE AND LOCAL PURCHASES	193.1	217.2	232.9	250.6	279.3	305.9	335.8	360.4	377.3	398.3	424.9
GROSS NATIONAL PRODUCT	1434.2	1549.2	1718.0	1918.0	2156.1	2413.9	2626.1	2916.5	3070.9	3411.9	3734.5
REAL GNP (1972 DOLLARS)	1248.0	1233.8	1300.4	1371.6	1436.9	1483.0	1480.7	1506.1	1480.3	1542.3	1600.1
PERSONAL INCOME AND CORPORATE PROFITS											
PERSONAL INCOME	1168.6	1265.0	1391.3	1538.0	1721.8	1943.8	2160.3	2400.8	2567.8	2813.7	3055.0
REAL DISPOSABLE INCOME	858.4	875.8	907.4	939.8	981.5	1011.5	1018.4	1039.7	1051.6	1099.4	1137.0
ANNUAL RATE OF CHANGE	-0.8	2.0	3.6	3.6	4.4	3.1	0.7	2.1	1.1	4.5	3.4
SAVING RATE (%)	8.5	8.6	6.9	5.6	5.2	5.3	5.6	5.3	5.9	6.8	6.7
CORP. PROFITS BEFORE TAX	136.7	132.2	166.3	192.6	223.3	255.3	245.5	229.9	198.4	253.7	283.4
CORP. PROFITS AFTER TAX	85.1	81.5	102.5	120.0	140.3	167.8	163.2	153.1	135.1	171.4	195.3
FOUR QTR. PERCENT CHANGE	11.3	-4.2	27.7	17.1	16.8	20.2	-2.6	-5.8	-10.9	26.9	14.1
MONEY AND INTEREST RATES											
MONEY SUPPLY (M1B)	272.7	285.5	301.8	324.9	351.5	378.9	402.7	429.7	440.2	457.4	475.3
ANNUAL RATE OF CHANGE	5.0	4.7	5.7	7.7	8.2	7.8	6.3	6.7	2.4	3.9	3.9
MONEY SUPPLY (M2)	886.9	971.3	1099.5	1242.2	1352.4	1473.0	1603.9	1760.1	1928.5	2101.7	2247.8
ANNUAL RATE OF CHANGE	6.2	9.5	13.2	13.0	8.9	8.9	8.9	9.7	9.6	9.0	7.0
MOODYS AAA BOND RATE(%)	8.57	8.83	8.43	8.02	8.72	9.63	11.94	14.27	13.57	12.46	11.11
FEDERAL FUNDS RATE (%)	10.50	5.82	5.05	5.54	7.93	11.19	13.36	16.17	10.77	11.79	10.71
PRIME RATE (%)	10.80	7.86	6.84	6.82	9.06	12.67	15.27	18.68	13.28	14.27	13.16
PRODUCTION AND OTHER KEY INDICATORS											
INDUSTRIAL PRODUCTION (67=1)	1.293	1.178	1.304	1.381	1.461	1.525	1.470	1.508	1.451	1.552	1.638
ANNUAL RATE OF CHANGE	-0.3	-8.9	10.7	5.9	5.8	4.4	-3.6	2.5	-3.7	6.9	5.6
HOUSING STARTS(MIL. UNITS)	1.332	1.160	1.535	1.962	2.001	1.716	1.303	1.092	1.315	1.776	1.781
RETAIL CAR SALES(MIL UNITS)	8.8	8.5	10.0	11.1	11.2	10.6	9.0	8.5	8.3	9.3	9.8
EMPLOYMENT (MILLIONS)	85.9	84.8	87.5	90.5	94.4	96.9	97.3	98.4	98.0	100.8	103.6
UNEMPLOYMENT RATE (%)	5.6	8.5	7.7	7.0	6.0	5.8	7.1	7.6	8.9	8.4	7.9
FEDERAL BUDGET SURPLUS (NIA)	-11.5	-69.3	-53.1	-46.4	-29.2	-14.8	-61.2	-61.1	-115.1	-107.5	-108.5
PRICES AND WAGES: ANNUAL RATES OF CHANGE											
IMPLICIT PRICE DEFLATOR	8.8	9.2	5.2	5.8	7.3	8.5	9.0	9.2	7.1	6.6	5.5
CONSUMER PRICE INDEX	11.0	9.1	5.7	6.5	7.7	11.3	13.5	10.4	5.9	6.4	5.8
PRODUCER PRICE INDEX	18.8	9.2	4.7	6.1	7.8	12.5	14.1	9.1	4.7	7.6	6.8
HOURLY COMPENSATION INDEX	9.7	9.3	8.1	7.6	8.6	9.7	9.9	10.0	8.1	7.5	7.2
DETAILS OF REAL GNP: ANNUAL RATES OF CHANGE											
CONSUMER EXPENDITURES	-0.6	2.2	5.6	4.9	4.7	2.9	0.5	2.5	0.5	3.5	3.5
BUSINESS FIXED INVESTMENT	-1.7	-12.1	5.3	11.9	9.1	6.5	-3.0	1.9	-4.5	4.7	7.4
EQUIPMENT	1.5	-12.0	6.2	16.1	8.8	5.5	-4.2	0.8	-4.2	7.0	8.2
STRUCTURES	-7.9	-12.3	3.2	2.7	10.1	8.7	-0.1	4.4	-5.0	-0.3	5.4
RESIDENTIAL CONSTRUCTION	-22.6	-12.5	21.3	18.5	2.9	-5.2	-18.6	-5.7	-4.4	33.8	6.6
EXPORTS	11.5	-4.6	6.3	2.8	12.7	15.2	9.6	-0.7	-1.6	5.7	5.6
IMPORTS	-1.3	-11.5	18.6	7.8	12.8	6.0	-0.1	6.2	3.8	6.5	5.8
FEDERAL PURCHASES	0.8	0.8	-0.7	4.1	-0.9	1.9	6.4	1.7	0.4	0.1	0.2
STATE AND LOCAL PURCHASES	4.4	2.9	0.5	0.9	3.7	1.2	1.0	-1.1	-2.9	-1.3	0.6
GROSS NATIONAL PRODUCT	-0.6	-1.1	5.4	5.5	4.8	3.2	-0.2	1.7	-1.7	4.2	3.7
FINAL SALES	-0.1	0.3	4.2	5.2	4.7	3.5	0.7	1.1	-1.0	3.7	3.5

Source: UCLA Business Forecasting Project, December 1981.

Table 4.-- DPED BASE FORECAST AND HIGHER-LOWER ALTERNATIVE FORECASTS: 1982 TO 1983

Year 1/	Personal income 4/ (millions of dollars)		Total jobs (thous.)	General excise tax collections 1/ (millions of current dollars)	General fund tax revenue 1/ 4/ (millions of current dollars)	Total construction value 5/ (millions of constant 1972 dollars)
	Current dollars 2/	Constant 1978 dollars 3/				
	"BASE" FORECAST					
1981 estimate ..	10,859	7,911	443.6	549	1,038	685
1982 forecast ..	11,818	8,046	445.9	594	1,036 6/7/	600
1983 forecast ..	12,958	8,245	457.9	648	1,214 6/8/	604
	Percent change from previous year					
1981 estimate ..	11.1	0.5	-0.1	10.2	9.6	-2.4
1982 forecast ..	8.8	1.7	0.5	8.2	-0.2	-12.5
1983 forecast ..	9.6	2.5	2.7	9.0	17.2	0.7
	"HIGHER" ALTERNATIVE FORECAST					
1982 forecast ..	11,853	8,146	451.1	593	1,035 6/7/	600
1983 forecast ..	13,021	8,523	470.8	655	1,223 6/8/	654
	Percent change from previous year					
1982 forecast ..	9.2	3.0	1.7	8.0	-0.3	-12.5
1983 forecast ..	9.9	4.6	4.4	10.5	18.4	9.0
	"LOWER" ALTERNATIVE FORECAST					
1982 forecast ..	11,781	7,947	440.8	596	1,038 6/7/	600
1983 forecast ..	12,893	7,979	445.3	641	1,204 6/8/	555
	Percent change from previous year					
1982 forecast ..	8.5	0.5	-0.6	8.6	0.0	-12.5
1983 forecast ..	9.4	0.4	1.0	7.6	16.0	-7.5

Footnotes on next page.

Table 4.-- DPED BASE FORECAST AND HIGHER-LOWER ALTERNATIVE FORECASTS: 1982 TO 1983 -- Con.

1/ For the tax revenue and general fund forecast, the years indicated are fiscal years which begin July 1 of the previous calendar year and end on June 30 of the given calendar year.

2/ "Current dollars" refers to the actual dollar value in the year indicated with no correction for inflation.

3/ "Constant dollar" data are corrected for the effects of inflation.

4/ Unofficial forecasts based on DPED's Hawaii econometric forecasting model. Official forecasts of General Fund tax revenue and personal income are prepared by the Hawaii State Council on Revenues.

5/ Total construction for 1981 is estimated outside the model and is input as an assumption. The model is then allowed to forecast the 1982 and 1983 construction value based on assumptions made regarding the level of visitor expenditures, inflation, etc.

6/ Not adjusted for the shifting of general excise tax (approximately 3 percent) from State General Fund to State Highway Fund beginning FY 1982.

7/ Reflects a decline in general fund tax revenue due to a one-time $100 per person tax credit on 1981 income tax returns.

8/ This estimate does not reflect $19 million in back public services taxes expected to be collected in FY 1983.

Table 5.-- ECONOMIC ASSUMPTIONS FOR THE DPED ALTERNATIVE FORECASTS: CALENDAR YEARS 1982-1983

Economic variables	Preliminary estimates 1981	Alternative forecasts	Assumed values 1/ 1982	Assumed values 1/ 1983
Visitor expenditures		Lower	-2.0	2.0
(Annual percentage rate of	0.0	Base	2.0	6.0
increase in real expenditures)		Higher	6.0	10.0
Honolulu Consumer Price Index (CPI-U)		Lower	8.0	9.0
(Annual percentage rate of	10.5	Base	7.0	7.0
increase)		Higher	6.0	5.0
Sugar revenue 2/		Lower	-19.0	3.0
(Rate of growth in dollar revenues	-50.2	Base	-19.0	3.0
not corrected for inflation)		Higher	-19.0	3.0
Pineapple revenue (canned) 2/		Lower	-3.5	5.0
(Rate of growth in dollar revenues	-9.8	Base	-3.5	5.0
not corrected for inflation)		Higher	-3.5	5.0
Construction value 3/		Lower	-	-
(Annual rate of increase in real	-2.1	Base	-12.5	-
construction expenditures)		Higher	-	-
Resident population	19,000	Lower	18,000	18,000
(Annual rate of increase)	19,000	Base	18,000	18,000
numbers of persons	19,000	Higher	18,000	18,000

1/ Values for these variables are forecast independently of the Hawaii Econometric Model. These variables are the basic information needed by the model to produce a forecast of economic activity.

2/ State excise tax base revenue.

3/ Construction value forecast in 1982 and 1983 are produced by the model based on the expected 1981 value and the other assumptions.

2. EMPLOYMENT

Employment conditions in the State showed continued weakness in the fourth quarter of 1981. The number of jobs outside of agriculture declined 0.3 percent in the fourth quarter below the level in the same period a year earlier (Table 6). During 1981 as a whole, the number of non-agricultural jobs declined 0.1 percent from 1980.

In the last quarter of 1981, the number of jobs in the construction industry showed the sharpest decline among the major industries, falling 10.9 percent below the 1980 fourth quarter level. The deterioration in the construction job picture has evidently accelerated in recent months with the level of construction unemployment increasing markedly (Table 26). Because the number of hours worked in construction also declined, the loss in total labor effort from last year's fourth quarter is even greater than the job figures indicated.

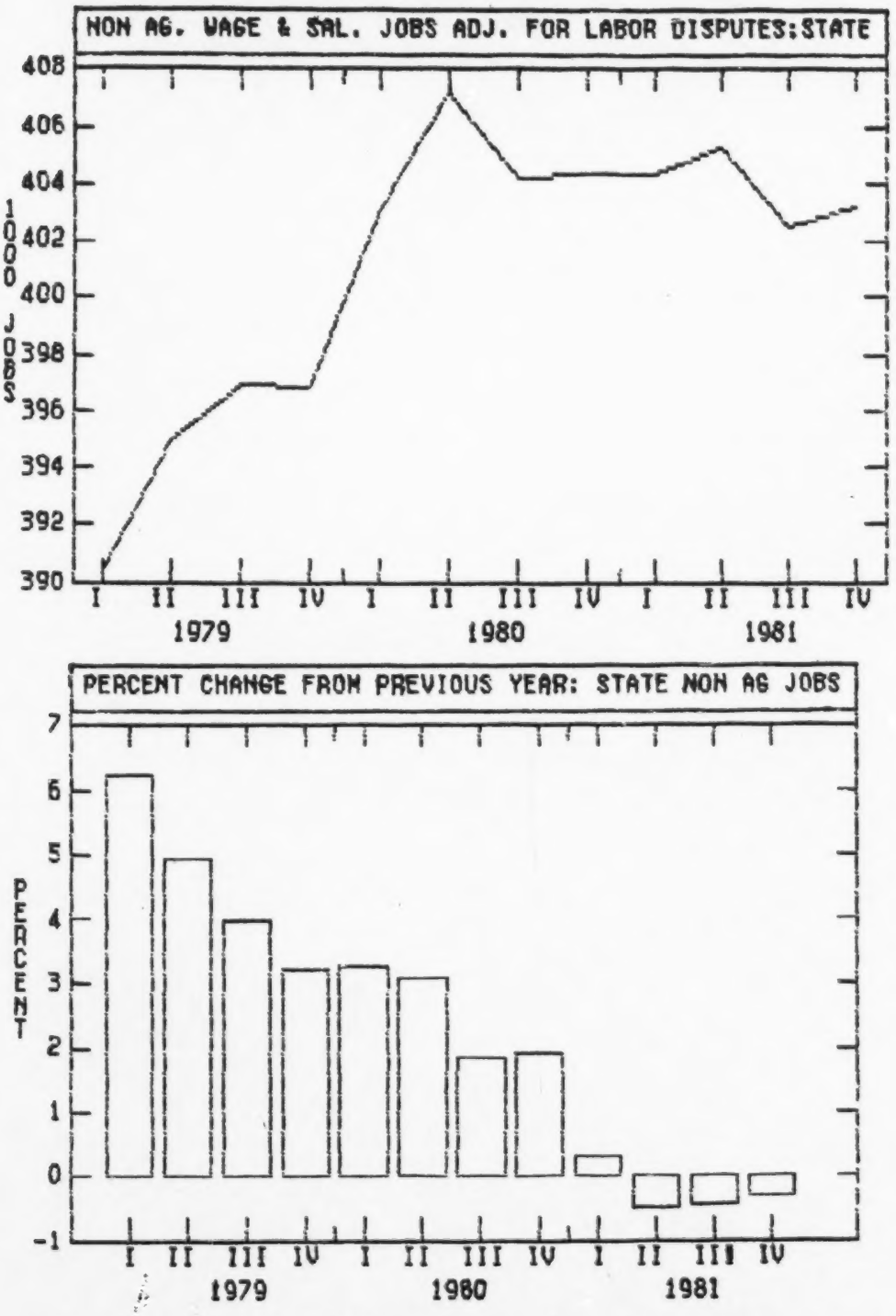
As Table 6 shows, food processing, finance (including insurance and real estate), hotels and local government also reported fewer jobs in the fourth quarter of 1981 than in the same quarter the year before. Services in general (including hotels) showed a 0.9 percent increase in jobs in the fourth quarter. In the trade industry a year-long pattern of decline in the number of jobs was reversed in the fourth quarter with a 1.4 percent increase from a year earlier.

In agriculture, the number of field jobs in pineapple was down 5.8 percent in the fourth quarter from the previous year. However, despite the current slump in sugar revenues, the number of field jobs in that industry was up 2.0 percent in the last quarter of 1981 from a year earlier. The number of self-employed persons in both agricultural and non-agricultural business were down 0.3 and 6.3 percent, respectively, in the fourth quarter of 1981 from the same 1980 period.

Hawaii's official unemployment rate (Table 9) continues to indicate a relatively modest level of unemployment, despite an apparent decrease in the number of jobs available. Unemployment averaged 5.3 percent in the fourth quarter of last year. However, the method of calculating the unemployment rate relies heavily on the level of insured unemployment and may be underestimating the number of new and re-entrants to the labor force who are looking but cannot find employment. The level of insured unemployment during the fourth quarter, which reflects the <u>total</u> number of workers who are collecting unemployment insurance was actually somewhat below the level in the same period of 1980. This was probably due to the effects of the carpenters strike in September of that year. However, the rate of <u>new</u> claims for unemployment insurance (Table 10), an indicator of recent job losses, was 16.9 percent higher in the fourth quarter of 1981 than a year before.

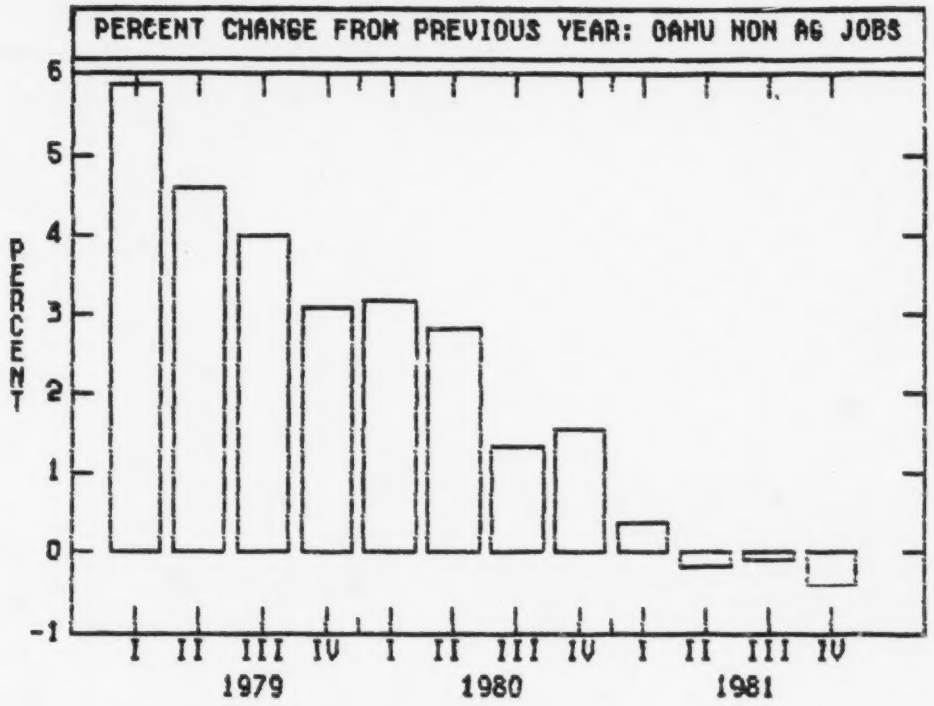
The Neighbor Islands continue to show a higher level of unemployment than the Oahu average. The highest unemployment rate during the fourth quarter of 1981 was experienced in Hawaii County at 7.5 percent, with the rates in Maui and Kauai Counties averaging 5.9 and 6.0 percent, respectively.

Figure 2.-- NON-AGRICULTURAL JOBS, STATE; QUARTERLY TOTAL AND PERCENT CHANGE FROM PREVIOUS YEAR: 1979 TO 1981 1/



1/ Data adjusted by DPED to include jobs of workers on strike.
Prepared by: DPED Economic Planning Information System.
Data Source: Hawaii Department of Labor and Industrial Relations.

Figure 3.-- NON-AGRICULTURAL JOBS BY COUNTY; PERCENT CHANGE FROM SAME QUARTER IN PREVIOUS YEAR: 1979 TO 1981 1/



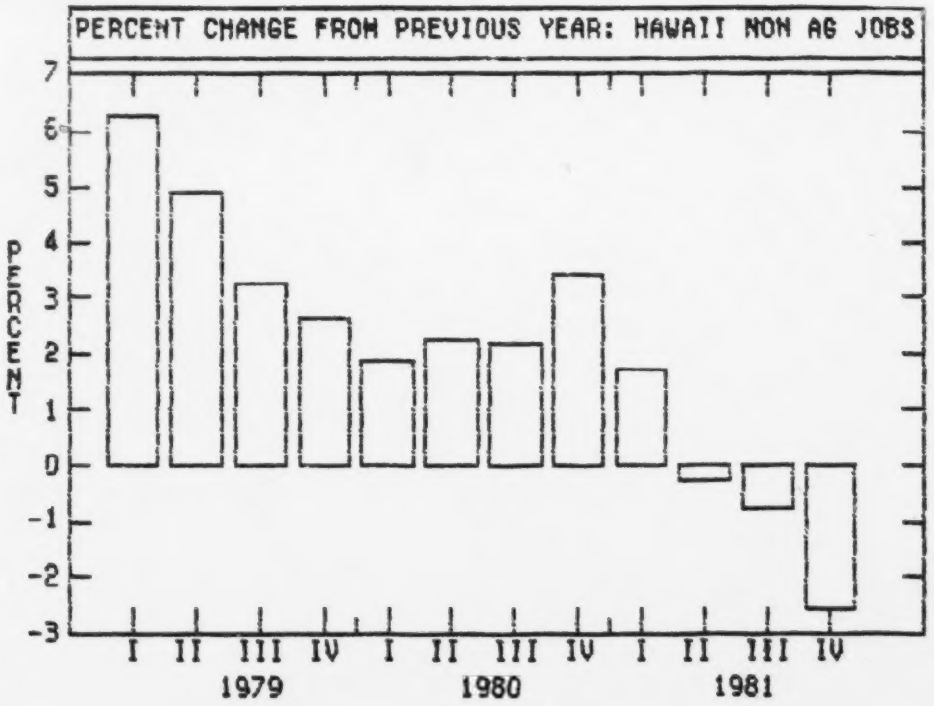
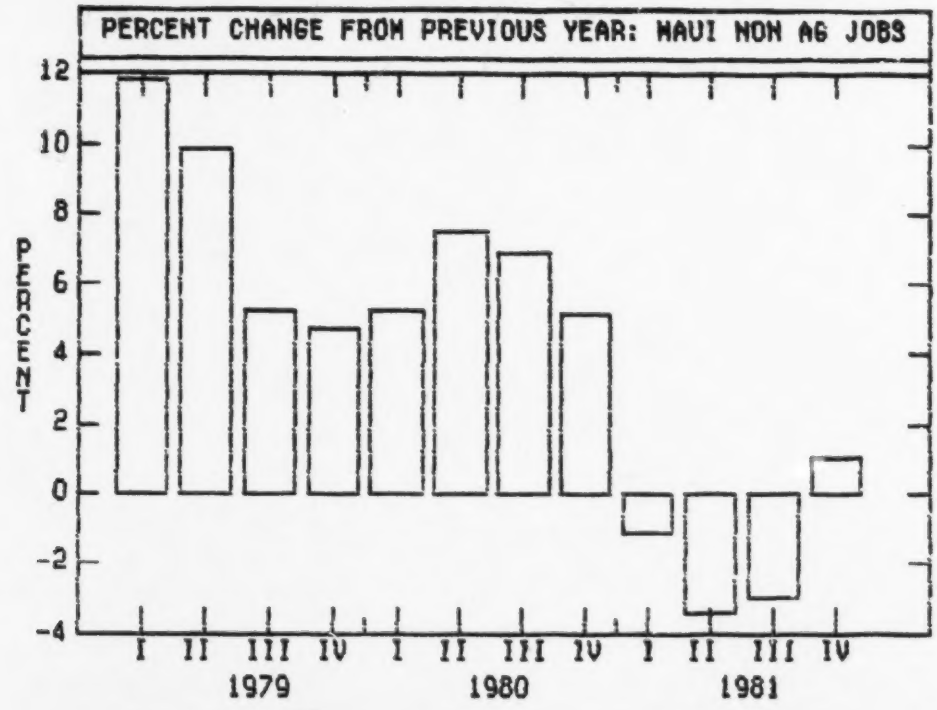
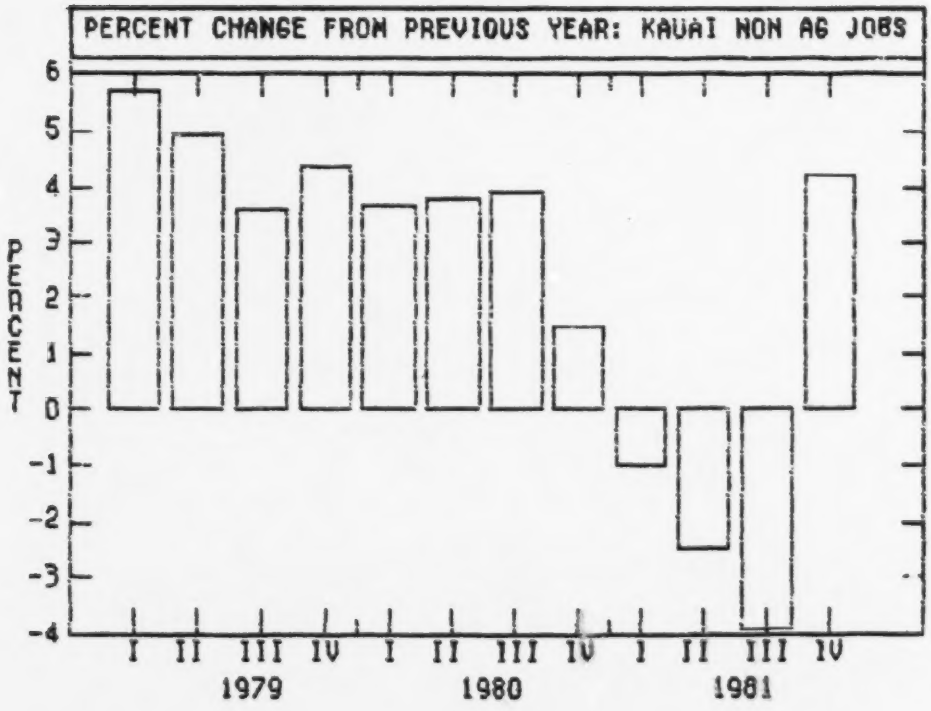


Figure 3.-- NON-AGRICULTURAL JOBS BY COUNTY; PERCENT CHANGE FROM SAME QUARTER IN PREVIOUS YEAR: 1979 TO 1981 1/ -- Con.





1/ Data adjusted by DPED to include jobs of workers on strike.
Prepared by: DPED Economic Planning Information System.
Data Source: Hawaii State Department of Labor and Industrial Relations.

Table 6.-- NUMBER OF JOBS BY INDUSTRY: 1981 1/

[Unadjusted.]

Series	1981 Jan.-Dec. (p)	1981 4th Q	Percent change from previous year: 1981 Jan.-Dec.	Percent change from previous year: 1981 4th Q
Non-agricultural jobs	403,700	403,050	-0.1	-0.3
Construction	23,350	21,450	-2.5	-11.0
Manufacturing	22,950	22,050	-2.3	-0.6
Food processing	11,200	10,250	-4.7	-3.3
Transp., commun., utilities ...	30,900	31,000	0.1	0.4
Trade	104,050	105,750	-0.4	1.4
Wholesale	18,000	18,400	-3.0	0.4
Retail	86,050	87,350	0.1	1.7
Finance, insur., & real estate	33,600	32,150	0.3	-4.2
Services	99,950	100,950	1.1	0.9
Hotels	24,300	25,050	-2.5	-0.1
Government	88,900	89,650	-0.2	0.4
Federal	30,400	31,000	1.4	3.6
State	45,200	46,250	0.1	0.0
Local	13,300	12,400	-4.3	-5.2
Agriculture (wage & salary)	11,200	11,200	6.3	2.0
Sugar	5,050	5,100	4.4	2.0
Pineapple	2,250	1,900	-10.3	-5.8
Diversified agriculture	3,900	4,250	22.1	5.8
Non-agricultural self-employed 2/	24,400	24,350	-1.6	-0.3
Agricultural self-employed 2/ ...	4,250	4,700	-5.2	-6.3

p Preliminary.
Q Calendar quarter.
1/ Data exclude jobs of persons on strike.
2/ Self-employed includes unpaid family workers and domestics.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 7.-- NON-AGRICULTURAL JOBS BY COUNTY: 1975 TO 1981 1/

[Adjusted.]

Year	State	City & County of Honolulu	Hawaii County	Maui County	Kauai County
1975	342,800	287,450	24,350	19,450	11,600
1978	377,300	312,550	26,550	24,550	13,650
1979	394,100	325,750	27,650	26,450	14,250
1980	404,250	333,200	28,300	28,050	14,700
1981	403,700	333,250	28,250	27,650	14,650
1981					
1st Q	404,400	333,950	28,550	27,350	14,500
2nd Q	405,250	335,500	28,100	27,400	14,300
3rd Q	402,400	331,950	28,300	27,600	14,400
4th Q	403,150	331,750	27,950	28,200	15,250
	Percent change from same period in previous year				
1979	5.0	4.2	4.0	7.7	4.5
1980	2.6	2.3	2.5	6.1	3.1
1981	-0.1	0.0	0.3	-1.4	-0.5
1981					
1st Q	0.3	0.4	1.7	-1.1	-1.0
2nd Q	-0.5	-0.2	-0.3	-3.4	-2.5
3rd Q	-0.5	-0.1	-0.8	3.0	3.9
4th Q	-0.3	-0.4	-2.6	1.1	4.2

1/ Jobs involved in labor disputes are included in these figures in order to ensure that changes in the data reflect basically economic conditions. These figures will differ slightly from official job count data published by the State Department of Labor and Industrial Relations which exclude jobs connected with labor disputes.

Source: DPED based on estimates prepared by the Hawaii State Department of Labor and Industrial Relations.

Table 8.-- CIVILIAN LABOR FORCE AND EMPLOYMENT BY COUNTY: 1970 TO 1981

[Persons.]

Subject and year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Civilian labor force					
1970	321,550	258,900	28,300	13,650	20,700
1975	382,950	304,200	34,600	16,300	27,800
1978	400,000	314,750	35,900	17,600	31,750
1979	399,000	313,650	35,400	17,550	32,400
1980	400,000	313,200	35,400	17,750	33,650
1981 (p)	408,500	319,850	36,550	18,000	34,100
1st Q	402,700	315,950	36,100	17,600	33,050
2nd Q	408,050	320,100	36,150	17,750	34,000
3rd Q	409,250	320,150	36,950	17,700	34,450
4th Q	414,000	324,100	37,050	18,950	34,850
Civilian employment					
1970	305,650	246,400	27,050	12,950	19,250
1975	351,100	280,050	31,150	14,800	25,050
1978	369,000	290,950	32,300	16,400	29,350
1979	374,000	294,550	32,550	16,550	30,350
1980	380,000	298,300	33,000	16,900	31,750
1981 (p)	385,700	304,000	33,750	16,900	32,050
1st Q	381,750	300,600	33,450	16,650	31,000
2nd Q	385,150	303,550	33,150	16,600	31,850
3rd Q	387,600	304,450	34,150	16,600	32,450
4th Q	392,200	307,350	34,250	17,800	32,800

p Preliminary.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 9.-- CIVILIAN UNEMPLOYED AND UNEMPLOYMENT RATE BY COUNTY: 1970 TO 1981

Subject and year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Civilian unemployed (persons)					
1970	15,900	12,500	1,250	700	1,450
1975	31,850	24,200	3,450	1,500	2,750
1978	31,000	23,800	3,600	1,200	2,400
1979	25,000	19,100	2,850	1,000	2,050
1980	20,000	14,900	2,350	850	1,900
1981 (p)	21,850	15,850	2,800	1,100	2,050
1st Q	20,950	15,350	2,650	950	2,050
2nd Q	22,900	16,550	3,050	1,150	2,150
3rd Q	21,650	15,700	2,750	1,100	2,050
4th Q	21,800	15,800	2,800	1,150	2,050
Unemployment rate (percent)					
1970	4.9	4.8	4.4	5.2	7.0
1975	8.3	8.0	9.9	9.1	9.8
1978	7.8	7.6	10.1	6.9	7.5
1979	6.3	6.1	8.1	5.6	6.3
1980	5.0	4.8	6.7	4.9	5.6
1981 (p)	5.3	5.0	7.7	6.1	6.0
1st Q	5.2	4.9	7.3	5.4	6.2
2nd Q	5.6	5.2	8.4	6.5	6.3
3rd Q	5.3	5.0	7.4	6.2	6.0
4th Q	5.3	4.9	7.5	6.0	5.9

p Preliminary
Source: Hawaii State Department of Labor and Industrial Relations.

Table 10.-- INITIAL CLAIMS FOR UNEMPLOYMENT INSURANCE BY COUNTY: 1979 TO 1981

Year	State	City & County of Honolulu	Hawaii County	Maui County	Kauai County
1979	81,424	61,421	8,946	7,568	3,489
1980	83,903	61,477	10,636	8,195	3,595
1981	83,662	60,208	11,426	7,988	4,040
1980					
1st Q	22,041	15,613	3,085	2,443	900
2nd Q	19,244	14,342	2,684	1,374	844
3rd Q	24,694	18,427	2,839	2,289	1,139
4th Q	17,924	13,095	2,028	2,089	712
1981					
1st Q	19,363	13,883	2,700	1,883	897
2nd Q	21,224	14,896	3,442	1,870	1,016
3rd Q	22,120	16,335	2,748	1,988	1,049
4th Q	20,955	15,094	2,536	2,247	1,078
	Percent change from same period in previous year				
1980	3.0	0.1	18.9	8.3	3.0
1981	-0.3	-2.1	7.4	2.5	12.4
1981					
1st Q	-12.2	-11.1	-12.5	-22.9	-0.3
2nd Q	10.3	3.9	28.2	36.1	20.4
3rd Q	-10.4	-11.4	3.2	-13.1	-7.9
4th Q	16.9	15.3	25.0	7.5	51.4

3. PERSONAL INCOME AND PRICES

Total personal income in Hawaii during the third quarter of 1981 was 11.3 percent greater than in the same quarter a year earlier (Table 11). Income derived from labor and proprietor activities increased by 9.3 percent while income from dividends, interest and rent increased 14.3 percent. Transfer payments (social security, welfare, unemployment insurance, etc.) increased 6.3 percent in the third quarter from a year earlier.

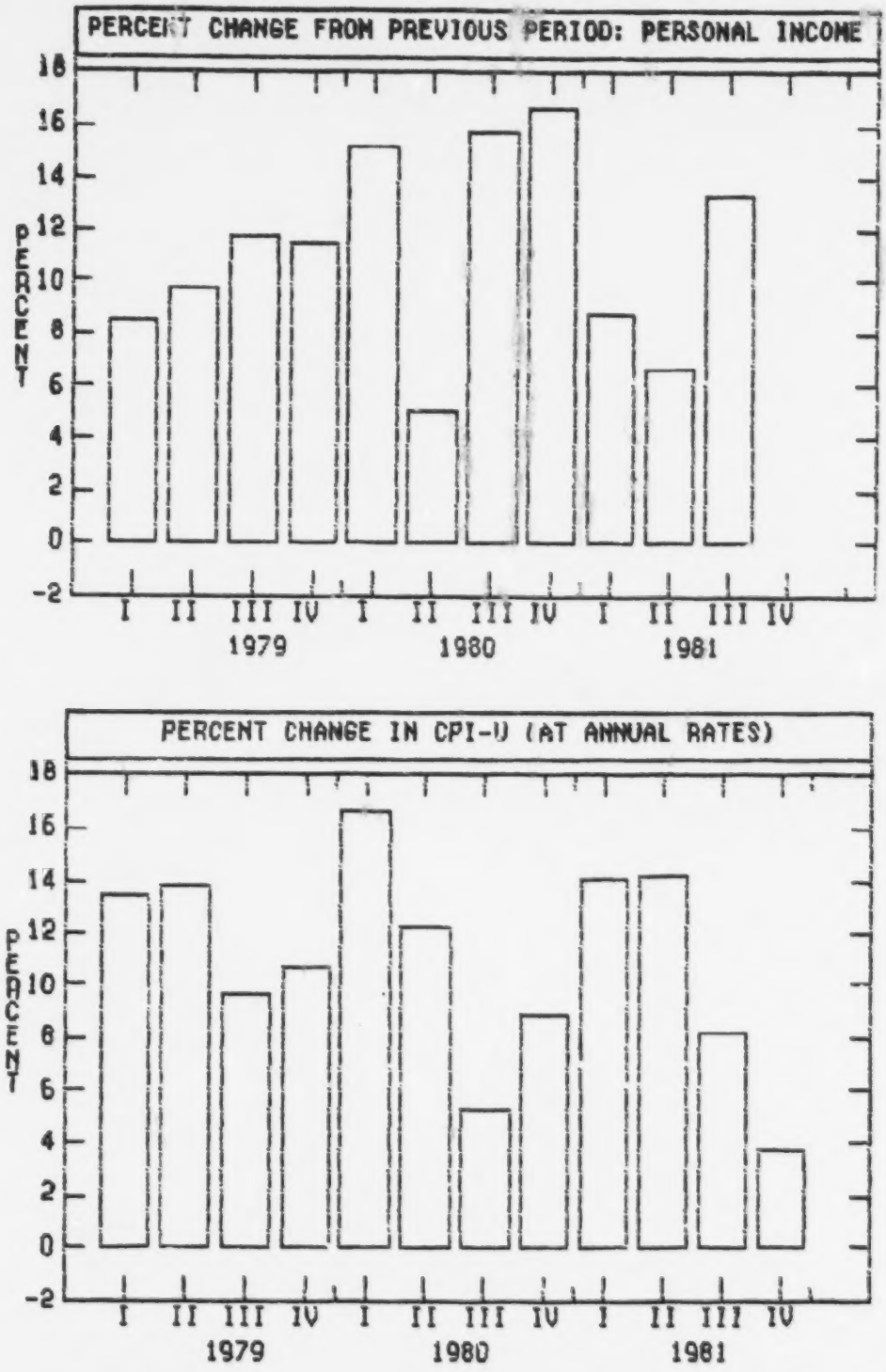
Income in the construction industry showed the highest gain during the third quarter of 1981, increasing 29.7 percent from the 1980 third quarter. Wholesaling income showed the least growth, up only 3.0 percent.

Personal income in the U.S. as a whole increased 13.0 percent in the third quarter from a year before. Labor and proprietors income rose 9.2 percent while transfer payment income increased 25.0 percent and dividend/interest/rent income was up 4.6 percent from a year earlier.

As indicated in Table 14, the Honolulu Consumer Price Index for all Urban Consumers (CPI-U) declined from 259.3 in October to 258.3 in December of 1981 (the index averaged 100 in 1967). Declines in the index, which is used as a rough measure of inflation at the consumer level, are rare. The December level of the index was, however, 9.4 percent higher than in December of 1980. Nationally, the CPI-U rose a modest 0.2 percent between November and December 1981. The national index in December stood "only" 8.9 percent above the December 1980 level, a significant slowing of the previous, December 1979 to December 1980 increase of 12.4 percent.

For the year as a whole, consumer prices in Honolulu as measured by the CPI-U rose 10.5 percent above the 1980 average. Nationally, consumer prices were up 10.4 percent on the average from 1980 to 1981.

Figure 4.-- PERSONAL INCOME AND PRICES; ANNUAL RATE OF CHANGE FROM PRECEDING QUARTER: 1979 TO 1981



Prepared by: DPED, Economic Planning Information System.
Data source: U.S. Department of Commerce; U.S. Department of Labor.

Table 11.-- TOTAL PERSONAL INCOME FOR THE UNITED STATES AND HAWAII: 1970 TO 1981

[In millions of dollars.]

Year	Total personal income		Percent increase from previous year	
	United States	Hawaii	United States	Hawaii
1970	803,922	3,566	7.5	14.5
1971	861,904	3,823	7.2	7.2
1972	944,852	4,178	9.6	9.3
1973	1,058,902	4,650	12.1	11.3
1974	1,162,203	5,298	9.8	13.9
1975	1,259,430	5,802	8.4	9.5
1976	1,386,772	6,264	10.1	8.0
1977	1,533,768	7,023	10.6	12.1
1978	1,717,816	7,727	12.0	10.0
1979	1,939,486	8,673	12.9	12.2
1980	2,162,936	9,775	11.5	12.7
1979 1/ 1st Q ..	1,852,247	8,055	13.9	11.8
2nd Q ..	1,894,582	8,245	12.6	11.9
3rd Q ..	1,951,157	8,476	12.2	11.0
4th Q ..	2,010,035	8,710	11.6	10.4
1980 1/ 1st Q ..	2,062,761	9,024	11.4	12.0
2nd Q ..	2,088,490	9,136	10.2	10.8
3rd Q ..	2,155,782	9,477	10.5	11.8
4th Q ..	2,228,277	9,849	10.9	13.1
1981 1/ 1st Q ..	2,292,539	10,057	11.1	11.4
2nd Q ..	2,340,535	10,221	12.1	11.9
3rd Q ..	2,412,922	10,545	11.9	11.3

1/ Seasonally adjusted at annual rates. Unrevised quarterly data do not correspond to revised annual figures.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, April 1981 (quarterly data), August 1981 (revised annual).

Table 12.-- PER CAPITA PERSONAL INCOME FOR THE UNITED STATES AND HAWAII: 1970 TO 1980

[Dollars.]

Year	Per capita personal income		Annual percent increase	
	United States	Hawaii	United States	Hawaii
1970	3,945	4,674	6.2	11.5
1971	4,167	4,830	5.6	3.3
1972	4,515	5,107	8.4	5.7
1973	5,010	5,524	11.0	8.2
1974	5,448	6,174	8.7	11.8
1975	5,845	6,631	7.3	7.4
1976	6,374	7,020	9.1	5.9
1977	6,979	7,669	9.5	9.3
1978	7,735	8,319	10.8	8.5
1979	8,637	9,129	11.7	9.7
1980	9,521	10,101	10.2	10.6

Source: U.S. Department of Commerce, Bureau of Economic Analysis, August 1981.

Table 13.-- COMPARISON OF MAJOR SOURCES OF PERSONAL INCOME: 1970 AND 1980

[In millions of dollars.]

Total labor and proprietors income	1980	1970	% change
By type:			
Wage & salary	6,573	2,644	149.5
Other labor income	474	116	308.6
Proprietors income	521	210	148.1
By industry:			
Farm	231	120	92.5
Nonfarm	7,337	2,850	157.4
Private	4,990	1,880	165.4
Agricultural services	36	11	227.3
Construction	550	321	71.3
Manufacturing	406	204	99.0
Transportation, utilities	707	248	185.1
Wholesale trade	335	146	129.5
Retail trade	867	300	189.0
Finance, insurance, real estate	543	183	196.7
Services	1,543	467	230.4
Government	2,347	971	141.7
Federal, civilian	655	338	93.8
Federal, military	810	290	179.3
State, local	883	343	157.4
Derivation of personal income:			
Total labor & proprietors income	7,568	2,970	154.8
Less: personal contributions for social insurance	444	136	226.5
Net labor & proprietors income	7,124	2,834	151.4
Plus: dividends, interest, rent	1,446	475	204.4
Plus: transfer payments	1,204	258	366.7
Total personal income	9,775	3,566	174.1
Population (persons)	968,000	763,000	26.9
Per capita personal income (in dollars)	10,101	4,674	116.1

Source: U.S. Department of Commerce, Bureau of Economic Analysis, August 1981.

Table 14.-- CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U) FOR SELECTED ITEMS FOR HONOLULU: 1978 TO 1981

[1967=100.]

Month and year	All items	Food	Housing	Apparel and upkeep	Trans-portation	Medical care
1978	184.1	212.8	171.7	161.3	170.4	221.0
1979	204.6	239.8	192.7	171.7	189.5	238.7
1980	228.5	260.9	217.5	184.4	224.7	259.5
1981 (p)	252.5	285.9	240.3	193.4	247.3	289.5
1980						
February	220.9	251.7	208.9	180.5	215.7	247.3
April	227.4	256.1	217.8	181.2	221.5	257.1
June	227.5	256.7	216.6	181.5	222.5	256.8
August	230.1	262.9	216.5	187.5	227.6	262.2
October	234.6	267.1	222.0	188.3	229.3	267.3
December	236.1	271.1	223.0	187.5	231.5	266.5
1981						
February	243.3	280.3	229.8	190.8	239.9	272.0
April	250.0	284.8	238.9	190.5	244.7	280.6
June	252.8	286.2	242.0	190.2	247.7	286.9
August	256.6	288.4	245.6	193.7	250.9	297.6
October	259.3	290.6	246.7	199.7	252.1	303.7
December	258.3	289.4	244.1	198.2	253.9	305.8
Percent increase:						
1980 to 1981 .	10.5	9.6	10.5	4.9	10.1	11.6
Dec. 1980 to Dec. 1981 ..	9.4	6.8	9.5	5.7	9.7	14.7

p Preliminary.
Source: U.S. Department of Labor, Bureau of Labor Statistics.

Table 15.-- COMPARATIVE FAMILY BUDGETS FOR HONOLULU: 1970 TO 1980

Type of family and date	Cost of budget (dollars)			Percent of U.S. urban average		
	Lower budget	Intermediate budget	Higher budget	Lower budget	Intermediate budget	Higher budget
URBAN FAMILY OF FOUR PERSONS						
1970: Spring ..	8,597	12,776	19,311	124	120	125
1975: Autumn ..	12,226	18,694	28,302	128	122	127
1976: Autumn ..	12,711	19,633	30,086	127	121	127
1977: Autumn ..	13,280	20,883	31,897	127	122	127
1978: Autumn ..	14,870	23,099	35,602	129	124	130
1979: Autumn ..	16,507	25,799	39,689	131	126	131
1980: Autumn ..	18,480	28,488	44,396	132	123	129
RETIRED COUPLE						
1970: Spring ..	3,562	5,166	8,312	115	115	117
1975: Autumn ..	5,168	7,339	10,726	115	114	112
1976: Autumn ..	5,397	7,691	11,318	115	114	113
1977: Autumn ..	5,711	8,107	11,882	114	113	111
1978: Autumn ..	6,357	8,987	13,085	115	115	113
1979: Autumn ..	7,040	9,972	14,508	117	116	115
1980: Autumn ..	7,776	10,979	15,889	117	116	114

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Table 16.-- COMPARISON OF ANNUAL BUDGETS ON THE INTERMEDIATE LEVEL FOR A FOUR-PERSON FAMILY IN THE U.S., HONOLULU, AND SELECTED CITIES: AUTUMN 1980

[Dollars.]

Item	U.S. urban average	Honolulu	New York	Washington, D.C.	Chicago	Denver	Los Angeles	Seattle
Total budget	23,134	28,488	26,749	25,203	23,387	22,813	22,500	23,392
Total consumption	16,969	19,546	18,561	17,770	17,424	16,893	16,763	17,888
Food	5,571	6,952	6,187	5,864	5,633	5,212	5,411	5,550
At home	4,664	6,070	5,081	4,954	4,728	4,346	4,400	4,560
Away from home	907	882	1,106	910	905	866	1,011	990
Housing	5,106	5,863	6,227	5,430	5,263	4,941	4,762	5,534
Shelter 1/	3,998	4,563	5,149	4,237	4,245	3,714	3,706	4,301
Renter	2,533	3,681	2,798	2,858	2,647,	2,206	3,112	3,628
Homeowner	4,486	4,857	5,933	4,696	4,777	4,217	3,904	4,525
Furnishings & operations	1,108	1,300	1,078	1,193	1,018	1,227	1,056	1,233
Transportation	2,116	2,181	1,944	2,112	2,199	2,182	2,200	2,136
Automobile owners	2,225	2,181	2,256	2,191	2,628	2,182	2,286	2,136
Clothing	1,292	1,371	1,496	1,265	1,178	1,716	1,223	1,478
Personal care	471	540	424	516	465	466	460	544
Medical care	1,303	1,400	1,073	1,354	1,426	1,209	1,683	1,450
Other consumption 1/	1,109	1,239	1,123	1,229	1,260	1,167	1,024	1,196
Other items 2/	957	1,047	962	985	973	954	950	989
Soc. sec. & dis. taxes	1,427	1,655	1,487	1,545	1,434	1,398	1,493	1,434
Personal income taxes	3,781	6,240	4,426	4,903	3,556	3,568	3,294	3,081

1/ Such as recreation, tobacco products, alcoholic beverages, education, etc.
2/ Such as gifts, contributions, life insurance, occupational expenses, etc.
Source: U.S. Department of Labor, Bureau of Labor Statistics, Autumn 1980 Urban Family Budgets and Comparative Indexes for Selected Urban Areas, April 1981.

4. TOURISM

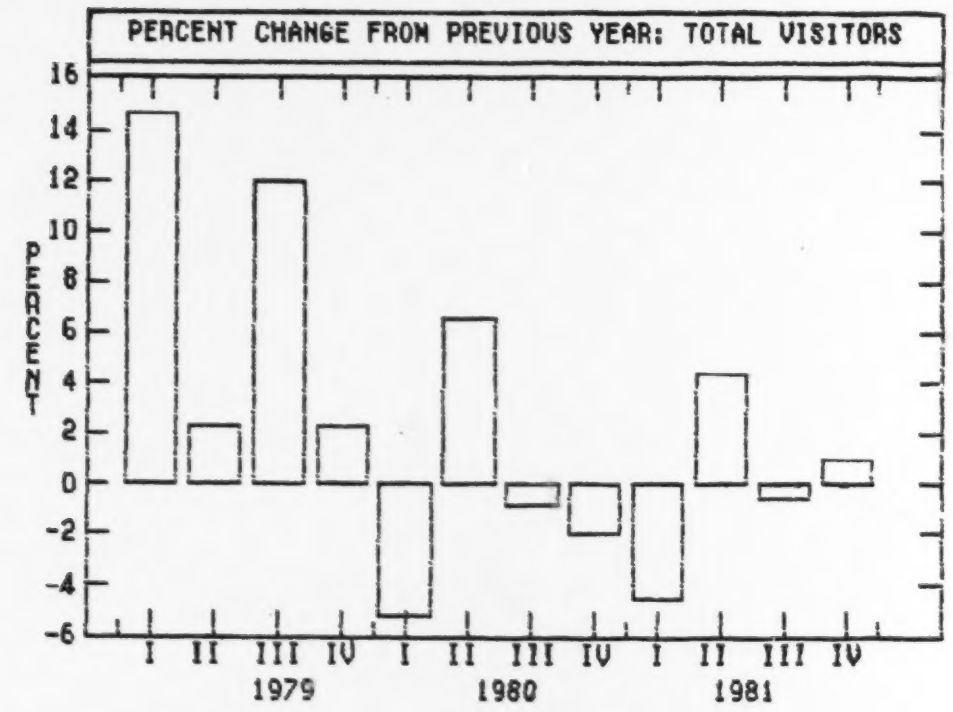
Hawaii experienced another virtual no-growth year in tourism during 1981. The preliminary estimate of the total number of overnight visitors to the State last year was 119 visitors above the 1980 total (Table 17). But for the second consecutive year, the number of westbound visitors to Hawaii (mostly from the U.S. Mainland and Canada) declined in 1981 -- 2.3 percent below the 1980 level. Eastbound visitors (from the Pacific and Orient) increased 8.0 percent in number from 1980.

During the fourth quarter of 1981, the total number of visitors increased 1.0 percent from the same quarter a year earlier. Westbound visitor arrivals, down 1.0 percent in the fourth quarter of 1981, were more than offset by the eastbound visitor count which rose 7.3 percent from the fourth quarter of 1980.

The Neighbor Islands continued to experience declines in visitor arrivals in the fourth quarter of 1981 from a year before but not as severe as in the earlier months of 1981 (Table 18 and Figure 6). The number of Westbound visitors to Hawaii County declined 5.5 percent in the fourth quarter from the year before compared to a 14.8 percent loss for 1981 as a whole. Kauai and Maui Counties experienced fourth quarter declines of 2.4 and 1.1 percent, respectively, from the year before. For 1981, Kauai's visitor count was down 6.5 percent and Maui's count declined 2.5 percent from 1980.

There are indications that the visitor count during the first quarter of 1982 will be at or slightly above the 1981 first quarter level. An exceptionally cold winter on the Mainland has been credited with a surge of visitors to Waikiki in February. The trend will hopefully continue through the fist quarter of 1982. Except for that induced early in the year by cold weather, travel from the Mainland will probably be sluggish until a more favorable economic outlook emerges, hopefully before the summer peak visitor season. The second quarter of the year may show some gains in westbound visitor traffic. This quarter is somewhat of an off-season for tourism and has seen gains from the year before in visitor traffic during both of the past two years when the overall yearly totals failed to grow.

Figure 5.-- VISITOR ARRIVALS (STATE); PERCENT CHANGE FROM SAME QUARTER IN PREVIOUS YEAR: 1979 TO 1981



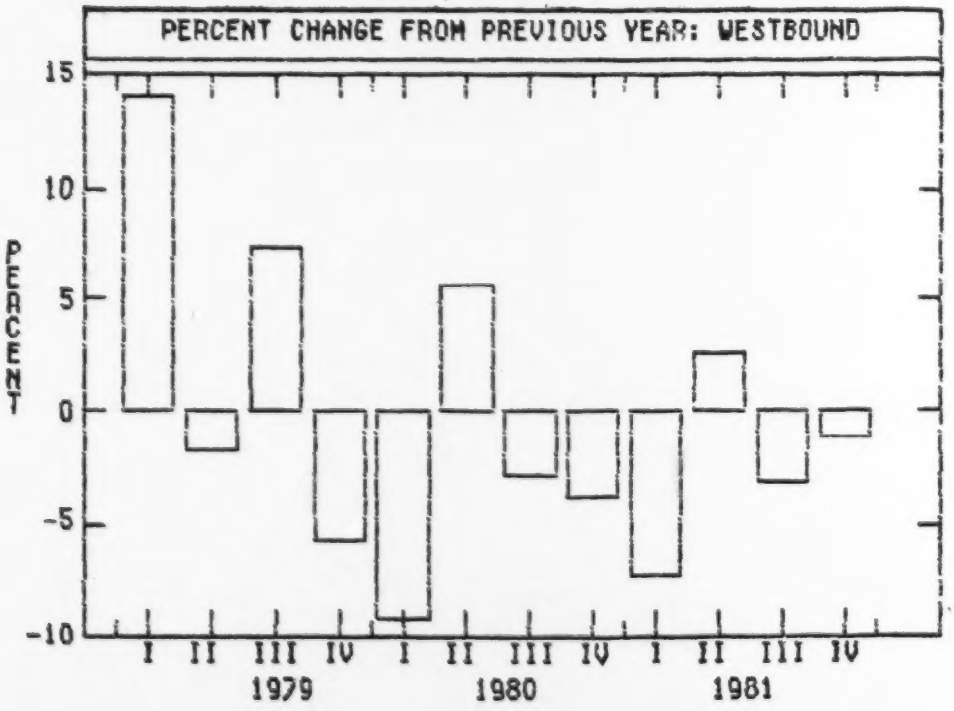
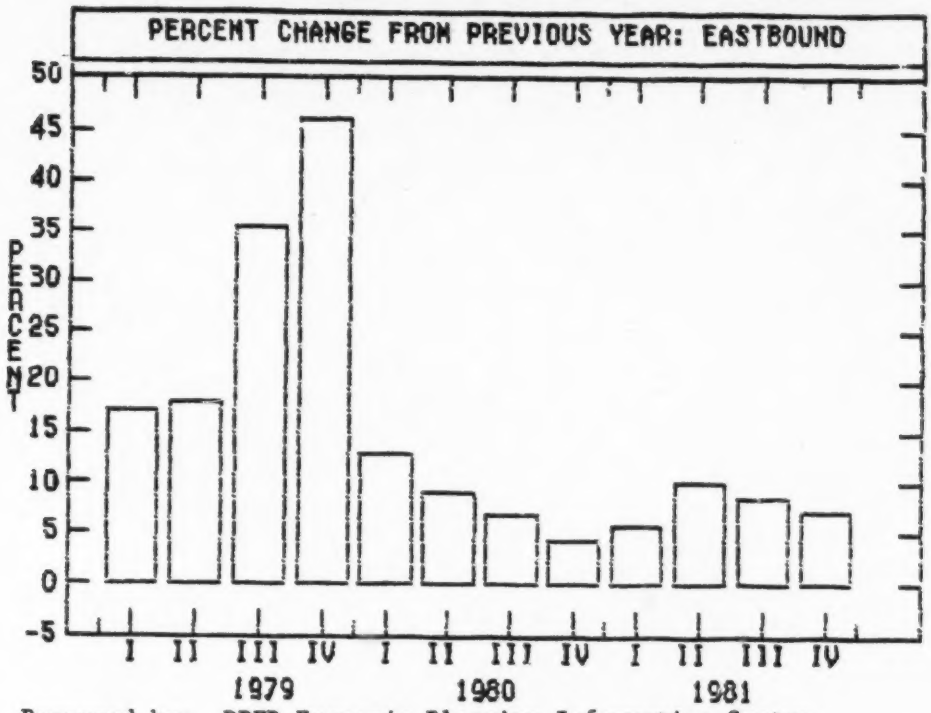


Figure 5.-- VISITOR ARRIVALS (STATE); PERCENT CHANGE FROM SAME QUARTER IN PREVIOUS YEAR: 1979 TO 1981 -- Con.



Prepared by: DPED Economic Planning Information System.
Data Source: Hawaii Visitors Bureau.

Figure 6.-- VISITOR ARRIVALS TO NEIGHBOR ISLANDS; PERCENT CHANGE FROM SAME QUARTER IN PREVIOUS YEAR: 1979 TO 1981

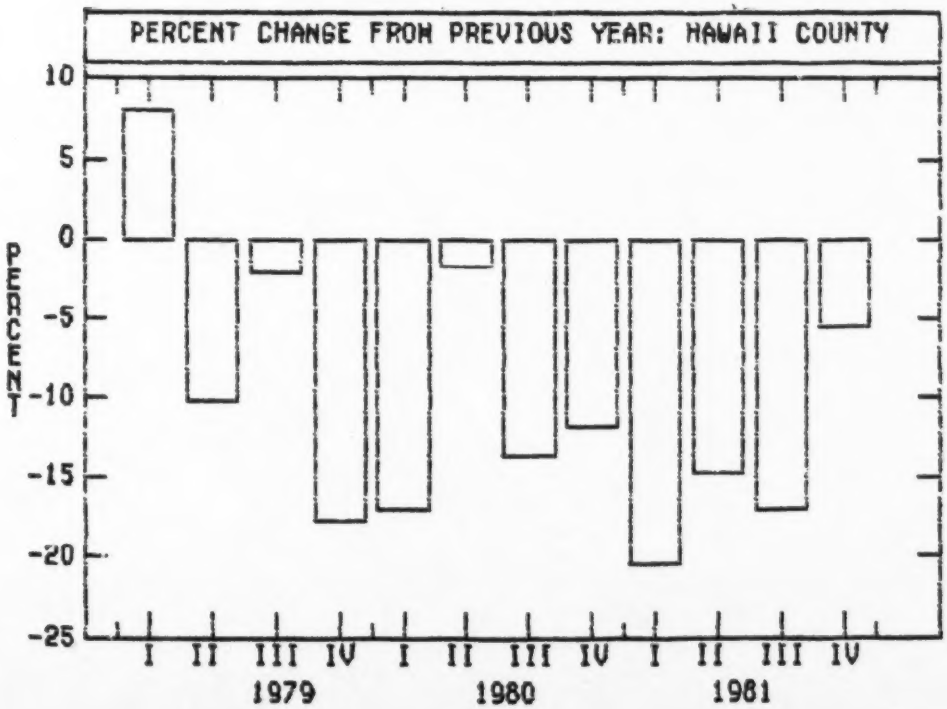
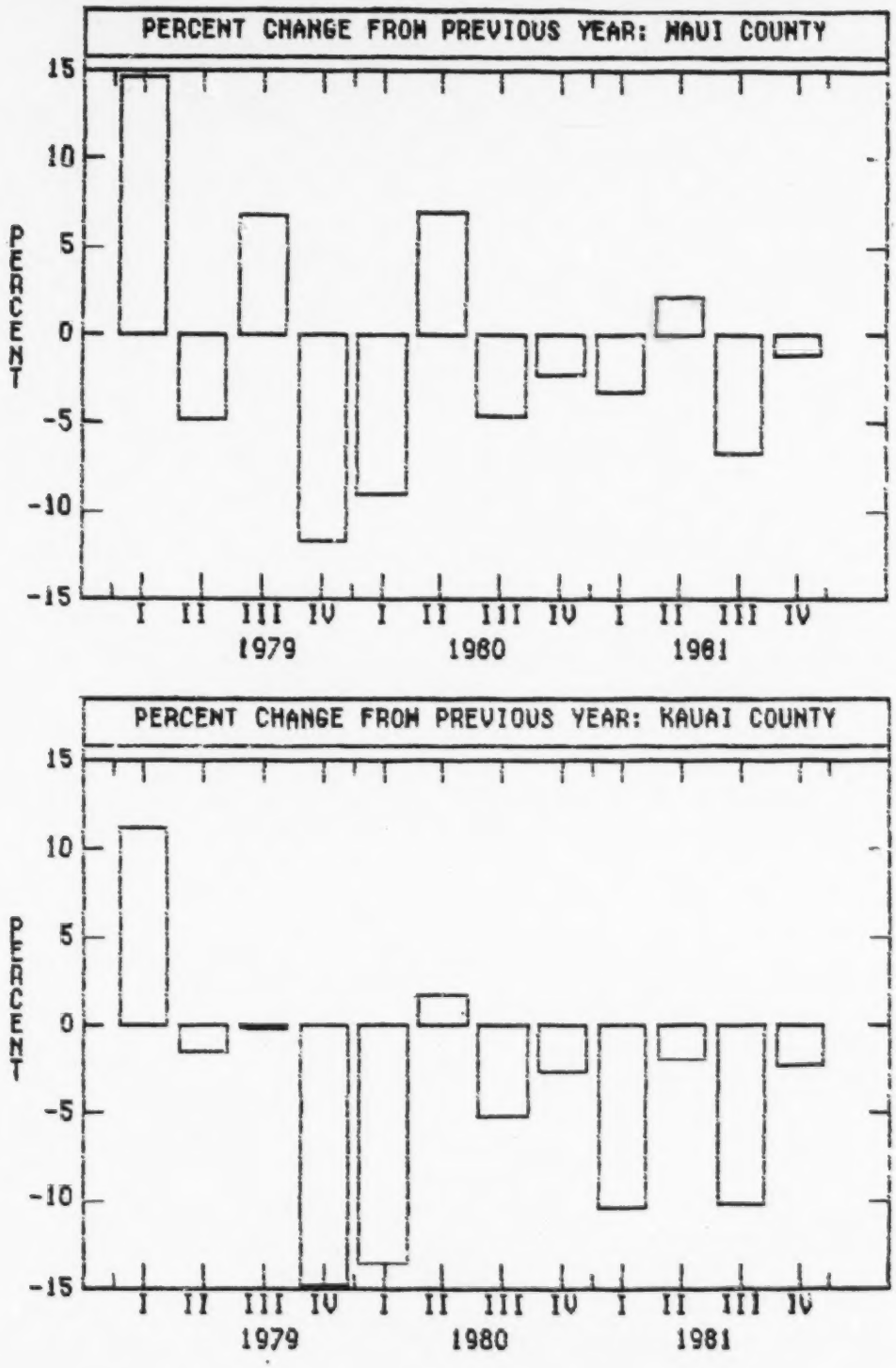


Figure 6.-- VISITOR ARRIVALS TO NEIGHBOR ISLANDS; PERCENT CHANGE FROM SAME QUARTER IN PREVIOUS YEAR: 1979 TO 1981 -- Con.



Prepared by: DPED Economic Planning Information System.
Data Source: Hawaii Visitors Bureau.

Table 17.-- OVERNIGHT VISITORS AND AVERAGE DAILY VISITOR CENSUS: 1970 TO 1981

Year	Overnight and longer visitors			Average number present per day	
	Total	Westbound	Eastbound	Westbound	All
1970	1,746,970	1,326,135	420,835	32,331	36,943
1975	2,829,105	2,207,417	621,688	59,495	66,308
1978	3,670,309	3,030,999	639,310	85,028	92,034
1979	3,960,531	3,139,455	821,076	89,678	98,676
1980	3,934,504	3,046,132	888,372	86,788	96,497
1981 (p)	3,934,623	2,974,791	959,832	85,163	95,496
1980 1st Q	1,004,830	791,550	213,280	94,968	104,447
2nd Q	942,853	720,919	221,934	77,936	87,800
3rd Q	1,047,282	816,583	230,699	94,241	104,494
4th Q	939,539	717,080	222,459	79,742	89,629
1981 1st Q	959,041	733,191	225,850	90,639	100,677
2nd Q	984,474	740,237	244,237	79,871	90,726
3rd Q (p)	1,042,330	791,378	250,952	91,036p	101,980p
4th Q (p)	948,778	709,985	238,793	79,211p	89,279p
	Percent change from previous year				
1978	6.9	9.7	-4.6	12.3	10.8
1979	7.9	3.6	28.4	5.5	7.2
1980	-0.7	-3.0	8.2	-3.2	-2.2
1981	0.0	-2.3	8.0	-1.9	-1.0
	Percent change from corresponding period in previous year				
1980 1st Q	-5.3	-9.2	13.0	-9.3	-7.6
2nd Q	6.5	5.7	9.1	3.3	3.9
3rd Q	-0.8	-2.9	6.9	-1.6	-0.8
4th Q	-1.9	-3.7	4.4	-4.1	-3.2
1981 1st Q	-4.6	-7.4	5.9	-4.6	-3.6
2nd Q	4.4	2.7	10.0	2.5	3.3
3rd Q (p)	-0.5	-3.1	8.8	-3.4	-2.4
4th Q (p)	1.0	-1.0	7.3	-0.7	-0.4

p Preliminary
Source: Hawaii Visitors Bureau.

Table 18.-- WESTBOUND VISITORS TO THE NEIGHBOR ISLANDS: 1970 TO 1981

Year	Westbound visitors to Neighbor Islands		
	Hawaii	Maui	Kauai
1970	445,401	447,985	410,075
1975	769,779	931,863	632,821
1978	908,983	1,403,054	837,712
1979	864,562	1,420,798	825,366
1980	761,103	1,378,189	781,409
1981	648,382	1,344,276	730,963
1980: 1st Q	208,235	362,912	194,590
2nd Q	183,462	326,217	192,166
3rd Q	201,976	370,230	218,068
4th Q	167,430	318,830	176,585
1981: 1st Q	165,947	351,267	174,195
2nd Q	156,442	332,922	188,584
3rd Q (p)	167,839	344,767	195,853
4th Q (p)	158,154	315,322	172,331
	Percent change from previous year		
1978	8.3	11.6	13.1
1979	-4.9	1.3	-1.5
1980	-12.0	-3.0	-5.3
1981	-14.8	-2.5	-6.5
	Percent change from corresponding period in previous year		
1980: 1st Q	-17.0	-9.2	-13.5
2nd Q	-1.5	6.9	1.7
3rd Q	-13.6	-4.7	-5.1
4th Q	-13.4	-2.7	-2.7
1981: 1st Q	-20.3	-3.2	-10.5
2nd Q	-14.7	2.1	-1.9
3rd Q (p)	-16.9	-6.9	-10.2
4th Q (p)	-5.5	-1.1	-2.4

p Preliminary
Source: Hawaii Visitors Bureau.

Table 19.-- HOTEL OCCUPANCY RATES BY AREA: 1970 TO 1981

Date	Waikiki 1/	Hawaii	Kauai	Maui
Annual average:				
1970	74.1	68.3	58.0	66.7
1975	78.3	59.9	77.2	72.3
1978	82.1	65.0	83.3	80.4
1979	77.1	62.0	76.5	73.0
1980	72.3	52.1	69.2	66.4
1981	NA	NA	NA	NA
1980				
January	80.5	60.0	68.6	75.3
February	79.4	66.7	78.0	88.6
March	78.1	60.3	82.5	90.1
April	72.5	54.4	71.0	71.8
May	66.5	48.1	65.8	67.8
June	66.6	45.1	63.0	55.0
July	76.5	50.0	71.4	57.5
August	78.1	56.1	75.2	65.4
September	65.6	42.5	61.2	49.5
October	69.0	49.4	69.8	59.2
November	69.6	46.9	63.7	56.3
December	65.8	45.7	60.7	59.9
1981				
January	70.9	48.4	61.1	62.6
February	84.5	61.0	66.6	81.5
March	75.0	53.5	69.4	72.8
April	69.8	45.8	65.2	59.6
May	70.4	43.9	68.4	57.9
June	75.7	42.9	64.0	53.7
July	73.2	50.5	63.9	57.2
August	82.2	51.3	65.9	64.6
September	75.9	42.4	57.4	56.1
October	70.7	46.3	63.1	75.5
November	68.9	44.5	51.7	66.8
December	71.4	37.9	50.6	59.2

NA Not available.
1/ Does not include some large hotel chains.
Source: Hawaii Visitors Bureau; Panell, Kerr, Forster and Company.

Table 20.-- HOTEL UNITS, EXISTING AND PLANNED: 1970 TO 1981

Date (for October of year)	State total	Oahu		County of Hawaii	County of Kauai	County of Maui 1/
		Oahu total	Waikiki			
1970	30,323	21,217	18,452	3,486	2,609	3,011
1976	44,093	27,099	23,358	5,887	3,711	7,396
1977	46,048	28,083	24,576	6,013	3,603	8,349
1978	48,790	29,294	25,585	6,105	4,162	9,229
1979	51,782	32,088	28,142	5,979	4,107	9,608
1980	55,700	34,173	30,293	6,299	4,707	10,521
1981	57,239	33,480	28,986	7,219	5,221	11,319
Planned completion 2/ (as of October 1980)						
1982	1,765	1,064	1,061	401	0	300
1983	1,040	425	425	0	350	265
Indefinite	5,846	760	260	3,200	686	1,200
Total	9,729	2,249	1,746	3,701	1,294	2,485

1/ Includes the Islands of Maui, Molokai, and Lanai.

2/ In addition to planned hotel and condominium units reported in this table, other condominium units are under construction or planned but the estimated number of rental units to be available for visitors has not yet been determined. These units number 1,154 in Waikiki, 6,559 in Hawaii County, 1,530 in Kauai County, and 5,182 in Maui County, for a State total of 14,425.

Table 21.-- AVERAGE DAILY HOTEL ROOM RATES IN HAWAII: 1970 TO 1980

[Dollars.]

Year	State	By island			
		Oahu	Hawaii	Maui	Kauai
1970	25.74	-	-	-	-
1975	29.75	-	-	-	-
1976	29.54	26.70	30.52	37.61	34.51
1977	34.28	31.87	33.08	42.59	38.45
1978	38.56	35.90	36.70	47.86	42.25
1979	44.40	41.42	41.44	57.15	47.75
1980	47.37	42.70	46.40	61.34	55.16
1981	49.73	43.05	47.16	73.27	56.06
Increase (%) 1976-1981 ...	68.4	61.2	54.5	94.8	62.5

Source: Panell Kerr Forster & Company, Trends in the Hotel Industry, Hawaii.

5. CONSTRUCTION

The dollar value of construction in Hawaii before correction for inflation rose an estimated 3.0 percent in 1981 from the year before. 1/ However, with an increase in construction costs ranging from 4 to 6 percent in 1981, the real value of construction actually declined about 2 percent last year.

Construction's success in avoiding the severe slump experienced in Mainland construction during 1981 because of exceptionally high interest rates was due to an equally high level of demand locally for nonresidential construction and a large number of carry-over projects from 1980. However, by midyear, sustained high interest rates had caused a sharp drop off in new construction demand. During the third and fourth quarters of 1981, a 60 percent decline in the total value of new authorizations for private building construction occurred. The value of authorizations for new residential construction declined 71 percent in the third quarter of 1981 from the same period a year earlier and by 84 percent in the fourth quarter. Commercial and industrial construction authorizations declined 27 percent in the third quarter of 1981 and 54 percent in the fourth quarter from a year earlier.

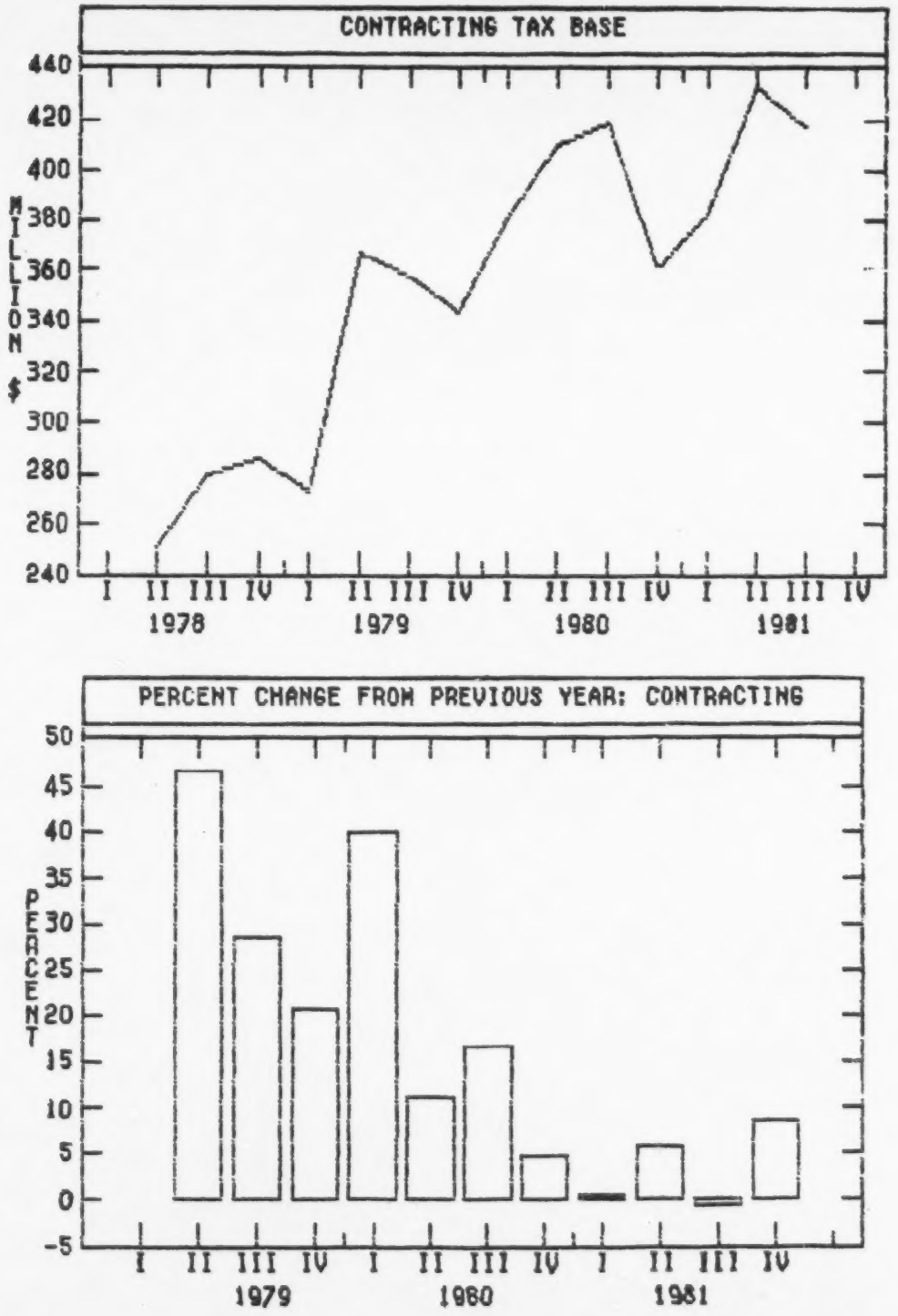
The value of government contracts for construction in Hawaii increased a substantial 85 percent in 1981 from the relatively depressed 1980 level. While this will help cushion the anticipated decline in private building construction in 1982, the additional government construction demand will make up less than half of the indicated loss to date in new private sector authorizations.

While revenues of the construction industry have been slow in reflecting the decline in authorizations, the job count in construction showed a significant decline in the fourth quarter. The average number of construction jobs fell 10.9 percent below the fourth quarter of 1980. Before the fourth quarter, the number of jobs in 1981 averaged only 1.5 percent below the first nine months of 1980. As Table 26 indicates, a decline in the number of hours worked in the fourth quarter resulted in a 13.6 percent decline in construction man-hours compared to a year earlier. The level of insured unemployment in construction increased significantly in the fourth quarter to 17.9 percent from 13.8 percent in the third quarter.

New authorizations for multi-family residential units came to a virtual halt on the Neighbor Islands in the fourth quarter and only a token 98 units were authorized on Oahu. The number of new single family units authorized in the fourth quarter declined 46 percent Statewide from a year earlier, from 990 units in the previous year to 440 units in the fourth quarter of 1981.

1/ See footnote 1, Table 22.

Figure 7.-- CONSTRUCTION, CONTRACTING REVENUES: QUARTERLY TOTALS AND PERCENT CHANGE FROM PREVIOUS YEAR: 1978 TO 1981 1/



Note: Data for fourth quarter 1981 include only October and November.

1/ Includes revenue subject to State excise and use tax data lagged one month to account for reporting delays.

Prepared by: DPED, Economic Planning Information System.

Data source: Hawaii Department of Taxation.

Table 22.-- ESTIMATED VALUE OF COMPLETED CONSTRUCTION, NEW BUILDING AUTHORIZATIONS AND GOVERNMENT CONTRACTS AWARDED: 1970 TO 1981

[Millions of dollars.]

Year	Value of construction completed 1/	New private and government construction				
		Private building authorizations				Government contracts awarded
		Total private authorization	Residential	Commercial and industrial 2/	Additions and alterations	
1970	783.8	447.2	212.5	184.5	50.2	176.2
1975	1,140.0	610.6	343.3	187.2	80.1	450.3
1980	1,569.7	1,219.2	680.2	331.5	207.5	230.6
1981 3/	NA	793.2	385.9	243.7	163.6	427.5
1980 1st Q ...	380.9	238.0	123.5	61.7	52.7	42.1
2nd Q ...	408.9	224.9	119.1	63.2	42.6	27.3
3rd Q ...	419.1	340.6	240.0	63.3	37.3	102.9
4th Q ...	360.9	415.7	197.6	143.3	74.8	58.3
1981 1st Q ...	382.4	227.2	102.9	81.2	43.1	109.4
2nd Q ...	432.8	266.0	180.9	50.3	34.8	51.7
3rd Q ...	416.7	169.3	70.9	46.3	52.1	84.0
4th Q 3/	NA	130.7	31.2	65.9	33.6	182.4
	Percent change from corresponding period in previous year					
1980	16.9	39.3	27.1	53.8	67.2	-40.7
1981 2/	NA	-34.9	-43.3	-26.5	-21.2	85.4
1980 1st Q ...	39.9	48.1	25.4	95.3	72.2	-63.4
2nd Q ...	11.3	4.5	-12.1	30.9	35.7	-64.2
3rd Q ...	17.0	49.2	68.5	19.4	15.5	-5.5
4th Q ...	4.8	51.5	22.0	73.3	152.0	-34.1
1981 1st Q ...	0.4	-4.5	-16.7	31.6	-18.2	159.9
2nd Q ...	5.8	18.3	51.9	-20.4	-18.3	89.4
3rd Q ...	-0.6	-50.3	-70.5	-26.9	39.7	-18.4
4th Q 3/	NA	-68.6	-84.2	-54.0	-55.1	212.9

1/ Value of construction subject to State excise tax (data lagged one month to account for reporting delays).

2/ Includes hotels.

3/ 4th quarter for Maui County and December data for Hawaii County private authorizations estimated by DPED.

Source: Hawaii Department of Taxation; County Building Departments; Trade Publishing Co., Building Industry Digest.

Table 23.-- ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION AUTHORIZATIONS BY COUNTY: 1970 TO 1981

[Millions of dollars.]

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	447.2	322.3	48.6	35.7	40.7
1975	610.6	407.1	49.7	36.1	117.7
1978	672.4	370.6	74.4	58.5	168.9
1979	874.9	501.4	112.2	113.8	147.5
1980	1,219.2	686.3	146.0	133.3	253.7
1981 1/	793.3	454.1	138.0	67.7	133.5
1980 1st Q ...	238.0	109.3	42.8	34.3	51.6
2nd Q ...	224.9	133.6	28.9	9.6	52.9
3rd Q ...	340.6	133.2	47.6	53.0	106.8
4th Q ...	415.7	310.1	26.8	36.3	42.5
1981 1st Q ...	227.2	93.2	53.9	17.1	62.9
2nd Q ...	266.0	190.5	17.5	18.6	39.5
3rd Q ...	169.3	90.6	47.0	14.3	17.5
4th Q 1/	130.8	79.9	19.6	17.7	13.6
	Percent change from previous year				
1978	44.0	18.6	21.4	108.9	125.8
1979	30.1	35.3	50.8	94.5	-12.7
1980	39.3	36.9	30.1	17.1	72.0
1981	-34.9	-33.8	-5.5	-49.2	-47.4
	Percent change from corresponding quarter in previous year				
1980 1st Q ...	48.1	13.0	55.6	266.8	90.4
2nd Q ...	4.5	18.2	31.4	-75.8	30.0
3rd Q ...	49.2	-3.1	75.0	32.4	431.3
4th Q ...	51.5	101.1	-24.7	46.0	-29.0
1981 1st Q ...	-2.9	-14.7	25.9	-50.2	21.9
2nd Q ...	15.3	42.6	-39.5	93.8	-25.3
3rd Q ...	-50.3	-32.0	-1.3	-73.0	-83.6
4th Q 1/	-68.5	-74.2	-26.9	-51.2	-68.0

1/ 4th quarter data for Maui County and December data for Hawaii County estimated by DPED.

Source: County building departments.

Table 24.-- NUMBER OF SINGLE-FAMILY HOUSING UNITS AUTHORIZED BY COUNTY: 1970 TO 1981 1/

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	5,611	4,017	790	326	478
1975	3,233	1,155	838	343	897
1978	5,219	2,270	1,382	567	1,000
1979	6,181	3,156	1,445	556	1,024
1980	4,058	1,645	1,204	401	808
1981 2/	2,550	728	1,056	409	357
1980 1st Q	1,133	494	317	107	215
2nd Q	1,045	420	349	89	187
3rd Q	887	262	258	109	258
4th Q	990	469	280	96	148
1981 1st Q	775	234	269	137	135
2nd Q	697	217	279	105	96
3rd Q	638	176	290	71	101
4th Q 2/ .	440	101	218	96	25
	Percent change from previous year				
1978	6.7	0.5	28.7	27.4	-8.3
1979	18.4	39.0	4.6	-1.9	2.4
1980	-34.4	-47.9	-16.7	-27.9	-21.1
1981 2/	-37.2	-55.7	-12.3	2.0	-55.8
	Percent change from corresponding quarter in previous year				
1980 1st Q	-22.6	-32.5	-12.2	-25.2	-5.7
2nd Q	-37.5	-51.8	-1.1	-32.6	-40.6
3rd Q	-45.2	-66.9	-35.0	-38.8	2.8
4th Q	-30.7	-38.4	-16.7	-7.0	-35.7
1981 1st Q	-31.6	-52.6	-15.1	28.0	-37.2
2nd Q	-33.3	-48.3	-20.1	18.0	-48.7
3rd Q	-28.1	-32.8	12.4	-34.9	-60.9
4th Q 2/ .	-55.6	-78.5	-22.1	0.0	-83.1

1/ Includes duplexes.

2/ 4th quarter data for Maui County and December data for Hawaii County estimated by DPED.

Source: County building departments.

Table 25.-- NUMBER OF MULTI-FAMILY HOUSING UNITS AUTHORIZED BY COUNTY: 1970 TO 1981 1/

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	4,620	3,673	389	67	491
1975	6,992	4,186	498	202	2,106
1978	4,236	1,968	334	610	1,324
1979	6,351	1,804	718	1,125	2,704
1980	6,603	3,297	727	766	1,813
1981 2/	3,126	1,873	270	64	919
1980 1st Q	1,237	396	81	224	536
2nd Q	1,097	604	206	12	273
3rd Q	2,340	795	330	522	693
4th Q	1,931	1,502	110	8	311
1981 1st Q	740	155	21	46	520
2nd Q	1,877	1,576	0	0	301
3rd Q	409	44	249	18	98
4th Q 2/ .	98	98	0	0	0
	Percent change from previous year				
1978	39.1	-1.8	158.9	3/	150.8
1979	49.9	-8.3	115.0	84.4	104.2
1980	4.0	82.8	1.3	-31.9	-33.0
1981 2/	-52.7	-43.2	-62.9	-91.6	-49.3
	Percent change from corresponding quarter in previous year				
1980 1st Q	-47.8	120.0	-73.1	3/	-71.7
2nd Q	1.3	21.2	249.2	-97.2	-20.6
3rd Q	99.8	41.2	84.5	32.8	600.0
4th Q	13.7	90.6	-54.5	-97.3	-15.9
1981 1st Q	-40.2	-60.9	-74.1	79.5	3.0
2nd Q	71.1	160.9	-100.0	-100.0	10.3
3rd Q	-71.3	-94.5	-24.5	-96.6	-85.9
4th Q 2/ .	-94.9	-93.5	-100.0	-100.0	-100.0

1/ Three or more units per structure.

2/ 4th quarter data for Maui County and December data for Hawaii County estimated by DPED.

3/ No units authorized in previous year's corresponding period. Percent increase infinitely large.

Source: County building departments.

Table 26.-- CONSTRUCTION EMPLOYMENT AND EARNINGS: 1970 TO 1981

Year	Total jobs 2/	Average weekly hours	Full-time equivalent jobs 2/	Insured unemployed persons	% unemployed 1/	Average hourly earnings (in dollars)
1970	25,750	38.9	25,050	1,150	4.4	5.56
1975	26,350	37.9	24,950	4,150	14.3	7.83
1976	21,400	36.2	19,350	5,650	22.6	8.83
1977	19,750	35.7	17,650	4,150	19.1	9.90
1978	20,650	36.6	18,900	2,500	11.7	10.55
1979	23,400	36.0	21,050	1,700	7.5	10.97
1980	24,400	36.2	22,100	2,650	10.9	11.84
1981 (p) ..	23,500	36.1	21,200	3,500	14.2	13.18
1980 1st Q	24,700	35.0	21,600	2,150	9.1	11.61
2nd Q	24,700	36.8	22,700	2,150	8.7	11.62
3rd Q	24,100	37.4	22,550	3,400	14.0	11.84
4th Q	24,150	35.3	21,300	2,900	12.0	12.29
1981 1st Q	24,350	38.9	23,700	3,000	11.2	12.78
2nd Q	24,100	34.8	21,000	3,450	14.1	12.98
3rd Q	24,150	36.3	21,950	3,500	13.8	13.16
4th Q	21,450	34.3	18,400	4,000	17.9	13.80
	Percent change from previous year					
1975	-5.6	0.3	-5.3	66.0	64.4	8.3
1976	-18.8	-4.5	-22.4	36.1	58.0	12.8
1977	-7.7	-1.4	-8.8	-26.5	-15.5	12.1
1978	4.6	2.5	7.1	-39.8	-38.7	6.6
1979	13.3	-1.6	11.4	-32.0	-35.9	4.0
1980	4.3	0.6	5.0	55.9	45.3	7.9
1981 (p) ..	-3.7	-0.3	-4.1	32.1	30.3	11.3
	Percent change from corresponding quarter in previous year					
1980 1st Q	10.3	-2.2	7.7	10.3	2.3	7.3
2nd Q	7.9	2.8	11.0	19.4	7.4	6.4
3rd Q	-7.5	-2.4	-6.1	126.7	129.5	10.1
4th Q	-0.3	3.2	7.0	93.3	71.4	7.8
1981 1st Q	-1.5	11.1	9.7	39.5	23.1	10.1
2nd Q	-2.4	-5.4	-7.5	60.5	165.5	11.7
3rd Q	0.2	-2.9	-2.7	2.9	-1.4	11.1
4th Q	-11.2	-2.8	-13.6	37.9	49.2	12.3

p Preliminary.
NA Not available.
1/ Percent unemployed is defined as the percentage of insured persons to the total of insured unemployed and full-time equivalent jobs.
2/ 1980 3rd Q data include the jobs of 5,450 workers on strike during September 1980.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 27.-- HONOLULU CONSTRUCTION COST INDEXES: 1970 TO 1981

[1967=100.]

Year 1/	Single-family residence			High-rise building		
	All components	Material prices	Labor 2/	All components	Material prices	Labor 2/
1970	118.0	112.9	124.5	117.9	109.3	125.2
1975	175.7	167.1	186.6	178.8	171.3	185.3
1979	266.2	248.3	288.8	264.3	237.6	287.5
1980	283.2	263.8	307.8	290.1	270.5	307.1
1981	291.2	254.2	337.9	308.2	274.6	337.4
1980						
Mar. ...	286.3	273.5	302.4	287.6	270.8	302.2
June ...	277.1	256.3	303.2	285.8	266.3	302.8
Sept. ..	287.8	262.6	319.5	298.6	274.8	319.2
Dec. ...	288.0	262.5	320.3	298.1	273.1	319.8
1981						
Mar. ...	288.6	254.2	332.0	304.6	272.4	332.6
June ...	287.1	250.3	333.6	304.9	271.8	333.6
Sept. ..	297.1	254.7	350.5	314.3	273.1	350.0
Dec. ...	296.3	251.6	352.7	318.8	281.1	351.6
	Percent change from previous year					
1979	9.4	13.5	5.2	9.5	16.1	5.3
1980	6.4	6.2	6.6	9.7	13.8	6.8
1981	2.8	-3.6	9.8	6.3	1.5	9.9
	Percent change from corresponding period in previous year					
1980						
Mar. ...	9.8	13.8	5.5	10.9	18.2	5.9
June ...	5.3	5.3	5.2	9.0	14.1	5.5
Sept. ..	6.0	3.3	9.0	11.1	13.7	9.2
Dec. ...	3.4	-1.3	8.9	8.0	6.6	9.1
1981						
Mar. ...	0.8	-7.1	9.8	5.9	0.6	10.1
June ...	3.6	-2.3	10.0	6.7	2.1	10.2
Sept. ..	3.2	-3.0	9.7	5.3	-0.6	9.6
Dec. ...	2.9	-4.1	10.1	6.9	2.9	9.9

1/ Annual averages unless otherwise specified.
2/ Includes wages and benefits.
Source: First Hawaiian Bank, Research Division.

6. MAJOR SOURCES OF INCOME

Preliminary estimates by DPED of defense expenditures and sales of the sugar and pineapple industries in 1981 appear in Table 28. These estimates will be revised as actual data or more precise estimates are received from the various agencies responsible for generating them.

The preliminary estimate of total sales in the pineapple industry indicates about a 9 percent decline in revenue measured in current dollars from 1980. The last time that the pineapple industry experienced a decline in sales from the previous year was in 1974.

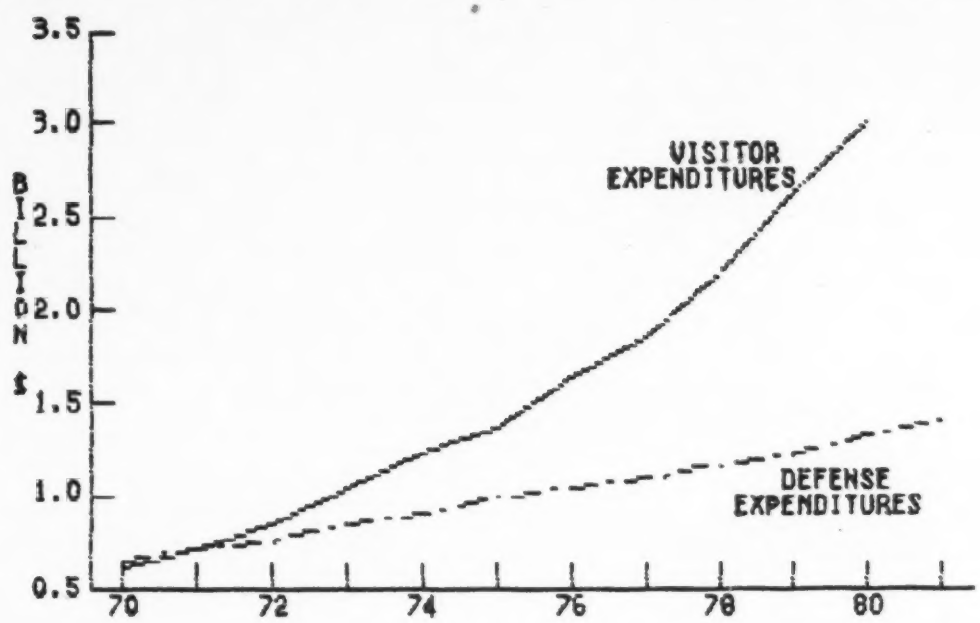
Sales of raw sugar and molasses were estimated to have declined about 45 percent between 1980 and 1981, to about $325 million. The price of raw sugar on the New York spot market averaged about 18 cents per pound in mid January of this year, 38 percent below the price a year earlier. The U.S. Department of Agriculture expects worldwide sugar prices to remain low in the foreseeable future. The production of sugar in the 1980/1981 crop year exceeded forecasts by more than 10 percent and was the reason for the sharp and unexpected decline in sugar prices throughout last year. In part through the efforts of Hawaii's congressional delegation, a sugar price support of 17 cents per pound for 1982 was enacted through the Farm Bill of 1981. While the support level is several cents below the average cost of producing sugar in Hawaii, it provides time for the industry to seek solutions for the long run. 1/ Nevertheless, firms within the industry have begun trimming expenses wherever possible. 2/

Defense expenditures in 1981 were estimated at about $1.45 billion, up about 10 percent over 1980. An estimate of visitor expenditures in the State during 1981 will be prepared after results of the 1980 visitor expenditure survey become available.

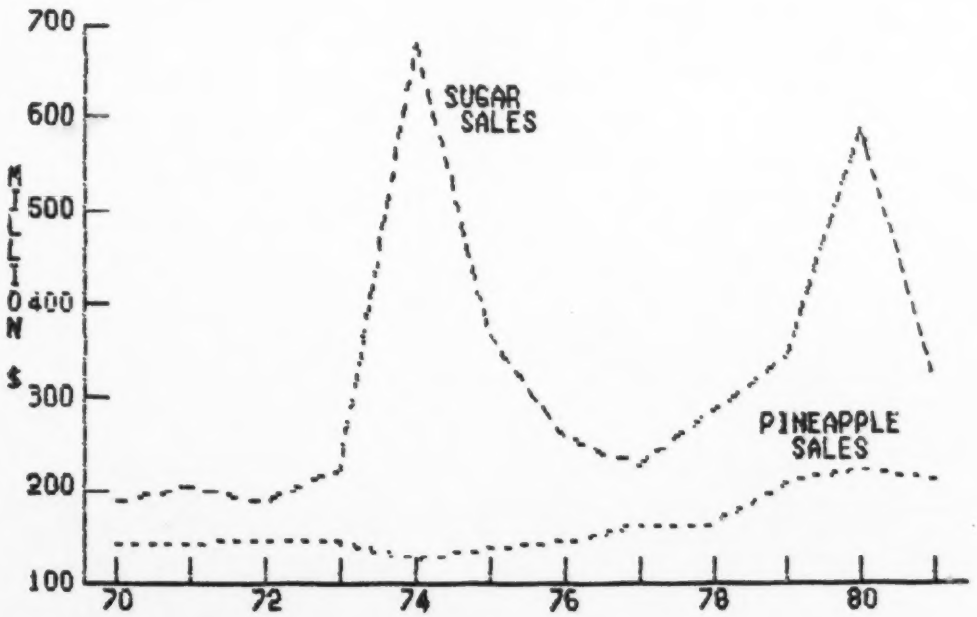
1/ The Hawaiian Sugar Planters Association (HSPA) estimated the average cost at 19.3 cents per pound in Hawaii, but the range is from a low of 15.3 cents to a high of 24.4 cents depending on the plantation.

2/ On January 7, 1982, Amfac, Inc., announced the phasing out of its Puna Sugar operations in Hawaii County by 1984. The Puna Sugar Plantation employs about 500 workers and produced 107 tons of raw sugar in 1981 at an average cost of about 23.3 cents, according to HSPA data.

Figure 8.— INCOME OR SALES OF MAJOR EXPORT INDUSTRIES: 1970 TO 1981

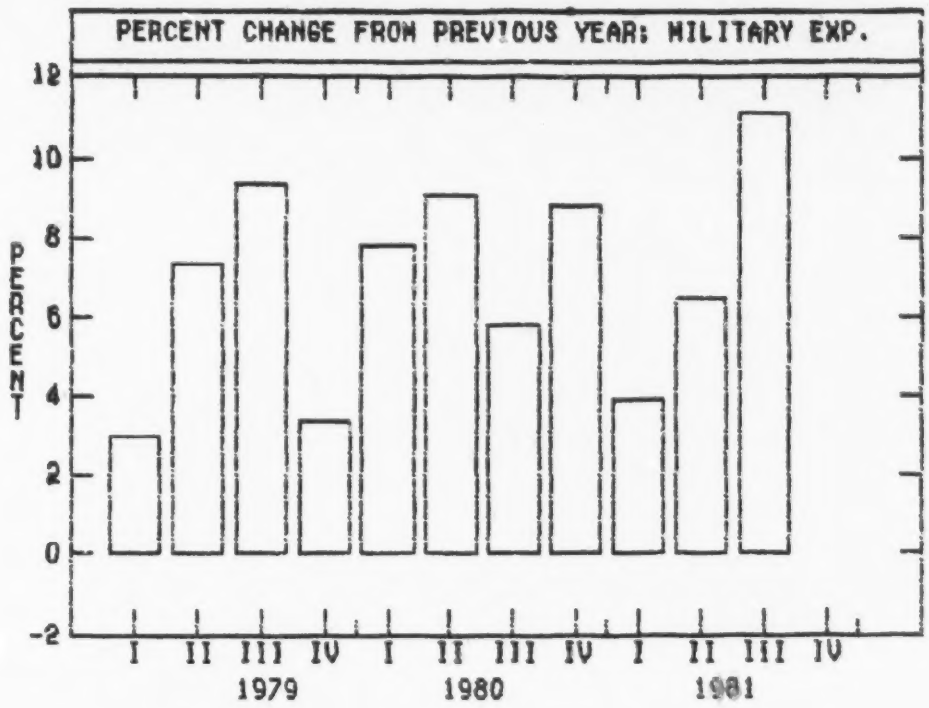


Prepared by: DPED, Economic Planning Information System
Data Source: Visitor spending: Hawaii Visitors Bureau
Defense expenditures: Reports of services compiled by DPED

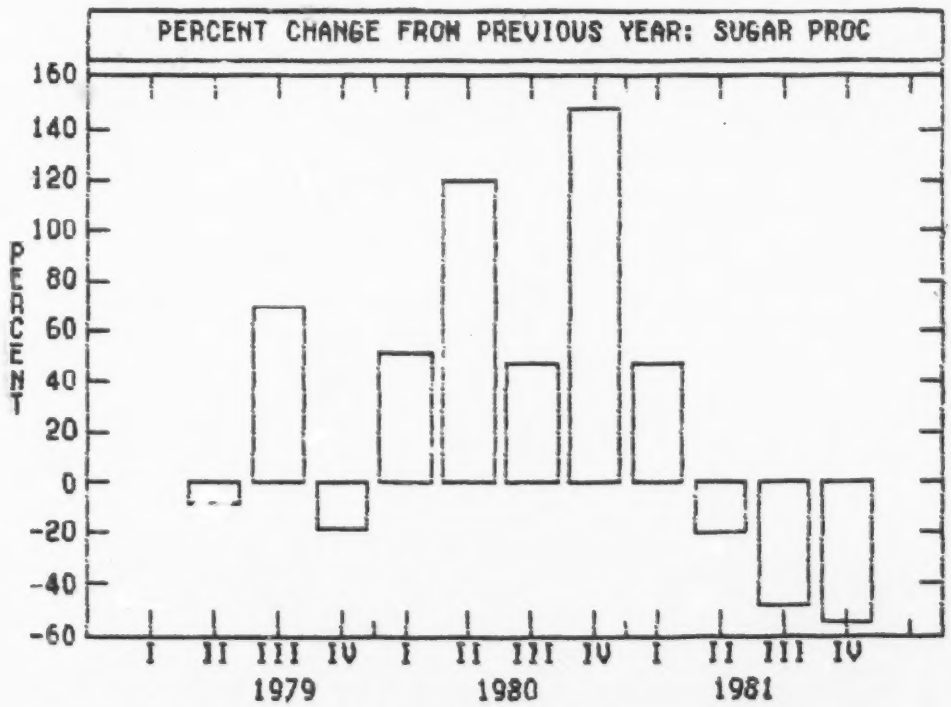


Prepared by: DPED, Economic Planning Information System
Data Source: Hawaii Department of Agriculture

Figure 9.-- DEFENSE SPENDING, RAW SUGAR AND CANNED PINEAPPLE SALES; PERCENT CHANGE FROM SAME QUARTER IN PREVIOUS YEAR: 1979 TO 1981

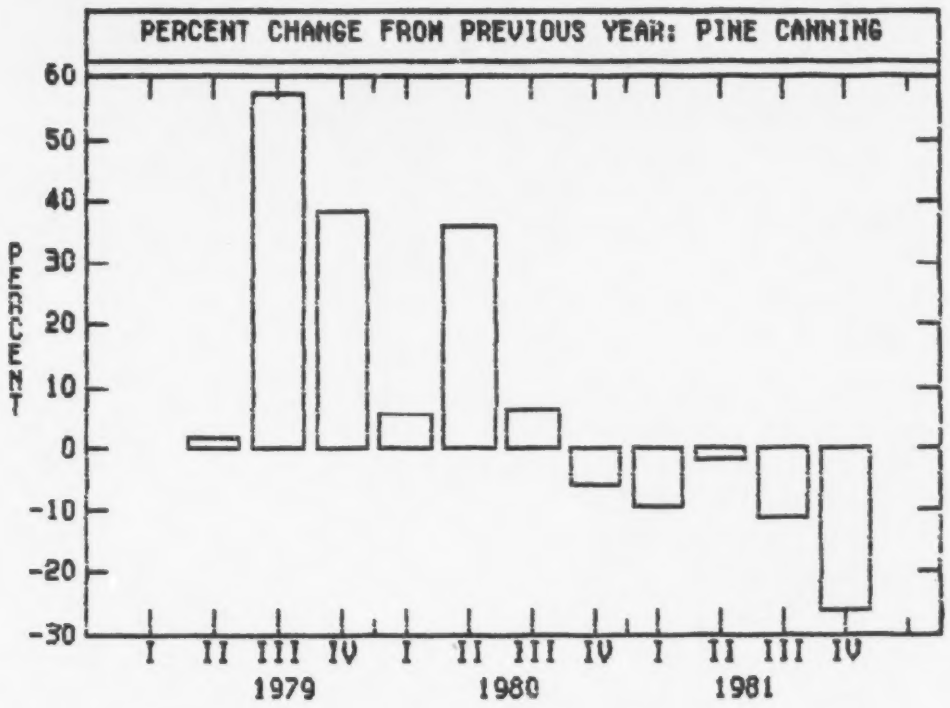


Preparation and data source: Same as Figure 8.



Note: Data for fourth quarter 1981 include only October and November.
Prepared by: DPED, Economic Planning Information System.
Data source: Value of raw sugar sales subject to State excise and use tax; State Department of Taxation.

Figure 9.-- DEFENSE SPENDING, RAW SUGAR AND CANNED PINEAPPLE SALES; PERCENT CHANGE FROM SAME QUARTER IN PREVIOUS YEAR: 1979 TO 1981 -- Con.



Note: Data for fourth quarter 1981 include only October and November.
Prepared by: DPED, Economic Planning Information System.
Data source: Value of canned pineapple sales subject to State excise and use tax; Hawaii Department of Taxation.

Table 28--DIRECT INCOME OR SALES OF MAJOR EXPORT INDUSTRIES: 1960 TO 1981

[Millions of dollars.]

Year	Income or sales			
	Visitor expenditures	Defense expenditures	Value of sales	
			Sugar 1/	Pineapple
1960	131	351.4	118.4	119.4
1970	595	639.4	187.8	138.6
1971	705	708.8	202.9	141.4
1972	840	744.2	184.7	145.4
1973	1,020	840.9	222.2	142.4
1974	1,225	897.9	676.6	127.1
1975	1,360	982.9	366.1	136.7
1976	1,640	1,034.2	257.0	144.5
1977	1,845	1,086.6	226.8	161.6
1978	2,188 (p)	1,155.5	285.2	162.9
1979	2,620 (p)	1,221.7	345.7	206.4
1980	3,000 (p)	1,317.4	594.1	223.4
1981 est.	NA	1,450.0	325.0	210.0

p Preliminary.

1/ Includes value of molasses.

Source: Hawaii Visitors Bureau; quarterly reports of local commanding officers; Department of Agriculture; Hawaii Sugar Planters' Association; and Bank of Hawaii.

Table 29.-- MILITARY EXPENDITURES IN HAWAII: 1970 TO 1981 1/

[Millions of dollars.]

Year or quarter	Total	Navy and Marine	Army	Air Force	Coast Guard
1970	639.4	328.7	183.5	114.0	13.2
1975	982.9	469.7	378.3	118.6	16.3
1978	1,155.5	582.3	434.1	117.5	21.6
1979	1,221.7	640.8	429.6	129.3	22.1
1980	1,317.4	711.3	441.8	141.7	22.7
1980					
1st Q	328.3	178.8	104.5	39.0	6.0
2nd Q	319.5	172.0	108.7	32.6	6.1
3rd Q	337.6	185.4	113.0	34.4	4.8
4th Q	332.0	175.0	115.6	35.6	5.8
1981					
1st Q	341.0 2/	177.6	119.2	38.2	6.0 2/
2nd Q	340.0	180.2	116.8	36.2	6.7
3rd Q	375.1	198.2	126.9	39.8	10.2
	Percent change from previous year				
1978	6.4	8.9	3.5	6.1	0.5
1979	5.7	10.1	-1.0	10.0	2.3
1980	7.8	11.0	2.8	9.6	2.7
	Percent change from corresponding quarter in previous year				
1980					
1st Q	7.8	12.3	-2.3	18.9	7.1
2nd Q	9.1	14.4	3.0	0.9	27.1
3rd Q	5.8	9.4	1.4	5.2	-12.7
4th Q	8.8	8.2	9.4	13.0	-6.5
1981					
1st Q	3.9	-0.7	14.1	-2.1	0.0
2nd Q	6.4	4.8	7.5	11.0	9.8
3rd Q	11.1	6.9	12.3	15.7	112.5

1/ Includes all appropriated expenditures for military and civilian payrolls, services, supplies and construction. Excludes R&R expenditures, dependent allotments, retired military pay and non-appropriated funds for exchanges, clubs, special services, etc.

2/ Estimated in lieu of first quarter report.

Source: Quarterly reports from each branch of service, compiled by DPED.

Table 30.-- VALUE OF PROCESSED SUGAR AND CANNED PINEAPPLE SUBJECT TO STATE EXCISE TAX: 1979 TO 1981 1/

Year	Value of shipments 2/		Percent change from same period in previous year	
	Sugar processing	Pineapple canning	Sugar processing	Pineapple canning
1979	294.1	174.2	(NA)	(NA)
1980	545.3	190.9	85.4	9.6
1981				
1st Q ...	124.2	26.8	47.3	-9.3
2nd Q ...	121.6	50.1	-19.2	-2.2
3rd Q ...	84.4	64.0	-48.2	-11.1
Oct/Nov .	50.2	18.9	-55.4	-26.3

NA Not available.

1/ These data are compiled for excise tax purposes and for various reasons differ from annual figures in table 28, prepared by the Hawaii Department of Agriculture. These are, however, the only data available on a monthly or quarterly basis and provide an indication of industry trends.

2/ Processed sugar and canned pineapple are taxed at the time the products enter commerce which may be at a different time than the actual sale.

7. POPULATION

Revised estimates of Hawaii's population for mid year 1980 and 1981 are due to be released momentarily by the U.S. Bureau of the Census. They are expected to be significantly below the preliminary estimates prepared in July 1981 by DPED so those estimates have been omitted from tables 31 through 34.

Table 31.-- RESIDENT POPULATION, BY COUNTIES: 1970 TO 1980

[Includes military personnel and dependents.]

Year 1/	State total	City & Co. of Honolulu	Hawaii County	Kauai County	Maui County
1970 April 1 ..	769,913	630,528	63,468	29,761	46,156
July 1 ...	776,000	634,700	64,500	30,100	46,700
1971	801,000	654,400	67,200	31,100	48,300
1972	828,000	675,700	70,200	31,800	50,300
1973	851,000	693,400	72,900	32,600	52,100
1974	867,000	704,300	75,600	32,800	54,300
1975	884,000	714,300	78,100	34,100	57,500
1976	902,000	726,000	80,600	35,200	60,200
1977	916,000	733,800	83,000	36,200	63,000
1978	929,000	740,300	85,700	37,000	66,000
1979	950,000	754,000	89,000	38,100	68,900
1980 April 1 ..	964,691	762,565	92,053	39,082	70,991

1/ July 1 unless otherwise specified.

Source: Hawaii State Department of Planning and Economic Development, The State of Hawaii Data Book 1981.

Table 32.-- RESIDENT POPULATION, BY MILITARY STATUS: 1970 TO 1980

[Excludes visitors present but includes residents temporarily absent.]

Year 1/	Total resident population	Armed forces 2/	Civilian population		
			All civilians	Military dependents 3/	Not military dependents
1970: April 1 .	769,913	55,142	714,771	61,858	652,913
July 1 ..	776,000	53,200	722,800	57,800	665,000
1971	801,000	50,800	750,200	62,200	688,000
1972	828,000	52,000	776,000	66,200	709,800
1973	851,000	58,100	792,900	70,300	722,600
1974	867,000	57,500	809,500	68,300	741,200
1975	884,000	58,900	825,100	63,700	761,400
1976	902,000	57,800	844,200	67,000	777,200
1977	916,000	56,500	859,500	65,000	794,500
1978	929,000	58,300	870,700	61,100	809,600
1979	950,000	57,900	892,100	64,500	827,600
1980: April 1 .	964,691	61,019	903,672	64,023	839,649

NA Not available.

1/ As of July 1 unless otherwise specified.

2/ These figures are the estimates prepared by the U.S. Bureau of the Census for use in State population estimation, and differ somewhat from the data compiled by the Hawaii State Department of Planning and Economic Development (and published annually in Military Personnel and Dependents in Hawaii) and the U.S. Bureau of Economic Analysis (for calculating per capita personal income).

3/ Dependents living in Hawaii, regardless of location of family head.

Source: Hawaii State Department of Planning and Economic Development, Preliminary Intercensal Population Estimates, 1970-1980 (Statistical Report 147, July 9, 1981); U.S. Bureau of the Census, 1980 census correction note sent August 20, 1981.

Table 33.-- RESIDENT AND DE FACTO POPULATION, BY RESIDENCE STATUS: 1970 TO 1980

Year 1/	Resident population 2/		De facto population 3/	
	Total	Temporarily absent 4/	Total	Visitors present 4/
1970: April 1 ..	769,913	10,300	796,500	36,900
July 1 ...	776,000	10,000	802,900	36,900
1971	801,000	9,400	832,500	40,900
1972	828,000	8,600	869,500	50,100
1973	857,000	9,800	900,700	59,600
1974	867,000	7,800	922,800	63,500
1975	884,000	9,000	941,300	66,300
1976	902,000	9,400	968,100	75,500
1977	916,000	9,000	990,000	83,000
1978	929,000	9,300	1,011,700	92,000
1979	950,000	9,300	1,039,400	98,700
1980: April 1 ..	964,691	9,600	1,052,700	97,600

NA Not available.

1/ As of July 1 unless otherwise specified.

2/ The resident population is defined as the number of persons whose usual place of residence is in an area, regardless of physical location on the estimate or census date. It includes military personnel stationed or homeported in the area but excludes persons of local origin attending school or in military service outside the area.

3/ The de facto population is defined as the number of persons physically present in an area, regardless of usual place of residence; it includes visitors present but excludes residents temporarily absent.

4/ Averages for 12-month periods centered on the estimate or census dates.

Source: Hawaii State Department of Planning and Economic Development, Preliminary Intercensal Population Estimates, 1970-1980 (Statistical Report 147, July 9, 1981); U.S. Bureau of the Census, 1980 census correction note sent August 20, 1981.

Table 34.-- AGE, SEX, AND RACE OF THE HAWAII POPULATION: 1980

Age	Sex			Race 1/	Number
	Total	Male	Female		
All ages	964,691	494,683	470,008	All races ...	964,691
Under 5 years	77,848	40,004	37,844	White	318,770
5 to 9 years	73,057	37,555	35,502	Black	17,364
10 to 14 years	74,870	38,459	36,411	American Indian ..	2,655
15 to 19 years	86,446	45,673	40,773	Eskimo	68
20 to 24 years	105,682	59,070	46,612	Aleut	45
25 to 29 years	95,287	48,864	46,423	Japanese	239,748
30 to 34 years	84,314	42,990	41,324	Chinese	56,285
35 to 44 years	111,416	56,449	54,967	Filipino	133,940
45 to 54 years	94,444	44,887	49,557	Korean	17,962
55 to 59 years	47,383	23,502	23,881	Asian Indian	604
60 to 64 years	37,794	18,871	18,923	Vietnamese	3,463
65 to 74 years	49,375	26,375	23,000	Hawaiian	115,500
75 to 84 years	21,214	9,973	11,241	Guamanian	1,677
85 years and over ..	5,561	2,011	3,550	Samoan	14,073
				Other	42,537
Under 18 years	275,583	141,516	134,067		
18 to 64 years	612,958	314,808	298,150		
65 years and over ..	76,150	38,359	37,791		

1/ By self-identification or race of mother.

Source: U.S. Bureau of the Census, Census of Population and Housing, 1980: Summary Tape File 1A, Hawaii (1981).

Table 35.-- CURRENT ECONOMIC AND DEMOGRAPHIC TRENDS: STATE OF HAWAII

Series 1/	Unit	Period	Number	Percent change	
				From preceding period	From same period in previous year
Resident population					
State	Persons	Apr. 1, 1980	964,691	25.3 2/	NA
City and County of Honolulu	Persons	Apr. 1, 1980	762,565	20.9 2/	NA
Hawaii County	Persons	Apr. 1, 1980	92,053	45.0 2/	NA
Kauai County	Persons	Apr. 1, 1980	39,082	31.3 2/	NA
Maui County	Persons	Apr. 1, 1980	70,991	53.8 2/	NA
Income					
Total personal income 3/	$ Million	3rd Q 1981	10,545	13.3	11.3
Per capita income	$	1980	10,101	-	10.6
Consumer price index					
All items	(1967=100)	Dec. 1981	258.3	-0.4 4/	9.4
Food prices	(1967=100)	Dec. 1981	289.4	-0.4 4/	6.8
Construction, Statewide (p)					
Total private permits - State	$ Million	4th Q 1981	130.7	-22.8	-68.6
Total residential permits - Oahu	$ Million	4th Q 1981	31.2	-56.0	-84.2
New single-family units	Number	4th Q 1981	440	-31.0	-55.6
New multi-family units	Number	4th Q 1981	98	-76.0	-94.9
Government contracts awarded	$ Million	4th Q 1981	182.4	117.1	212.9
Construction cost indexes					
Single family (p)	(1967=100)	Dec. 1981	296.3	0.3 5/	2.9
High-rise buildings (p)	(1967=100)	Dec. 1981	318.8	1.4 5/	6.9
Employment (p)					
Total civilian labor force	Persons	4th Q 1981	414,000	1.2	3.7
Civilian employment	Persons	4th Q 1981	392,200	1.2	3.4
Civilian unemployment	Persons	4th Q 1981	21,800	0.7	9.3
Unemployment rate	Percent	4th Q 1981	5.3	0.0	6.0
Total non-agr. jobs	Number	4th Q 1981	403,050	2.0	-0.3
Visitor industry					
Total visitors (p)	Number	4th Q 1981	948,778	-9.0	1.0
Westbound (p)	Number	4th Q 1981	709,985	-10.3	-1.0
Eastbound (p)	Number	4th Q 1981	238,793	-4.8	7.3
Visitor expenditures (p)	$ Million	1980	3,000	-	14.5
Hotel units (State)	Number	Oct. 1981	57,293	1.4 6/	2.9
Defense expenditures	$ Million	3rd Q 1981	375.1	10.3	11.1
Sugar sales	$ Million	1981 est.	380	-	-36.0
Pineapple sales	$ Million	1980 est.	210	-	-6.0

p Preliminary; Q Calendar Quarter; and NA Not available.
1/ Statewide data unless indicated otherwise.
2/ From April 1, 1970
3/ Seasonally adjusted annual rate.
4/ From October 1981.
5/ From September 1980.
6/ From June 1981.

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HAWAII
ECONOMIC RESEARCH REPORTS

QUARTERLY STATISTICAL AND ECONOMIC REPORT
STATE OF HAWAII

Second Quarter 1982

RESEARCH AND ECONOMIC ANALYSIS DIVISION

DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

BEST AVAILABLE COPY

QUARTERLY STATISTICAL AND ECONOMIC REPORT
STATE OF HAWAII

Second Quarter 1982

QUARTERLY STATISTICAL AND ECONOMIC REPORT - STATE OF HAWAII

Second Quarter 1982

This quarterly report has been prepared by the Research and Economic Analysis Division of the Department of Planning and Economic Development (DPED). The purpose of the report is to present information concerning current statistical and economic trends affecting Hawaii. Technical notes and source descriptions have been kept to a minimum. However, the staff of the Research and Economic Analysis Division will be happy to respond to any inquiries of a technical nature that readers may have (548-3028).

The report was prepared under the direction of Dr. Richard Y. P. Joun, Head, Research and Economic Analysis Division, by Roy Tsumoto and Sharon Nishi. Graphics were prepared by the Economic Planning Information System of DPED.

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1. INCOME AND PRICES

The Hawaii Gross State Product and its components for 1979 and 1980 are shown in in Table 1. Table 2 shows expenditures on Gross State Product, indicating how consumption, investment, government spending, and net export have changed between 1979 and 1980.

Total personal income in Hawaii during the third quarter of 1981 was 11.3 percent greater than in the same quarter a year earlier (Table 3). Income derived from labor and proprietor activities increased by 9.3 percent while income from dividends, interest and rent increased 18.2 percent. Transfer payments (social security, welfare, unemployment insurance, etc.) increased 14.3 percent in the third quarter from a year earlier.

Income in the construction industry showed a 29.7 percent gain during the third quarter of 1981. The increase of income in the construction industry is, however, a statistical distortion since the third quarter of 1981 data is compared with the strike-affected 1980 third quarter. Wholesaling income showed the least growth, up only 3.0 percent.

Personal income in the U.S. as a whole increased 11.9 percent in the third quarter from a year before (Table 4). Labor and proprietors income rose 10.9 percent while dividend/interest/rent income was up 18.3 percent and transfer payment income increased 10.5 percent from a year earlier.

According to the U.S. Bureau of Labor Statistics' Autumn 1981 intermediate budgets for an urban family of four, Honolulu is now the nation's costliest major city to live in. This intermediate budget was $31,893. The "lower" and "higher" budgets for Honolulu were $20,319 and $50,317, respectively. The differences between the Honolulu budget levels and the average U.S. urban budget levels are now the largest they have been since the series was initiated in 1966 (Table 5).

The Honolulu Consumer Price Index for all urban consumers (CPI-U) rose from 258.3 in December to 262.2 in February (Table 6). This 7.8 percent increase over the CPI-U of February 1981 indicates a continuing decline in the rate of inflation. The CPI-U increase from 1980 to 1981 was 10.5 percent.

Table 1.-- CHARGES AGAINST GROSS STATE PRODUCT: 1979 AND 1980

[Million of current dollars.]

Charges/income	1979	1980	Percent change
Gross state product	10,706.4	11,467.1	7.1
State income	9,100.4	9,712.5	6.7
Compensation of employees	6,804.6	7,558.3	11.1
Wage and salary disbursements	5,907.8	6,572.6	11.3
Supplements to wages and salaries	896.8	985.7	9.9
Employers' contributions for social insurance	489.4	511.2f	4.5
State programs	81.6	84.5f	3.6
Federal programs	407.7	426.7f	4.7
Other labor income	407.5	474.4	16.4
Proprietors' income	515.0	520.9	1.1
Rental income of person with capital consumption adjustment	118.4	124.8	5.4
Corporate profits before tax	826.6	480.0	-41.9
Profits tax	206.0	219.4f	6.5
State	37.3	42.4f	13.7
Federal	168.7p	176.9f	4.9
Profits after tax	620.6	260.6	-58.0
Dividends	176.2	197.6	12.1
Undistributed profits	444.3p	63.1p	-85.8
Net interest	835.7p	1,028.5p	23.1
Business transfer payments	40.1	44.4	10.7
Indirect business tax and nontax, State and local	822.4	876.0f	6.5
Less: Subsidies less current surplus of government enterprises, State and local	-14.5	-15.7f	-8.3
Indirect business tax and nontax, Federal	51.6	51.7f	0.2
Less: Subsidies less current surplus of government enterprises, Federal	75.9	-89.4f	...
Charges against net state product	10,104.8	10,789.7	6.8
Capital consumption allowances	601.6p	677.5p	12.6

f Fiscal year data.
p Preliminary.

Table 2.-- EXPENDITURES ON GROSS STATE PRODUCT: 1979 AND 1980

[Million of current dollars.]

Expenditures	1979	1980	Percent change
Gross state product	10,706.4	11,467.1	7.1
Personal consumption expenditures	6,621.8	7,723.7	16.6
Goods	4,094.9	4,720.7	15.3
Durable goods	903.4	1,010.6p	11.9
Nondurable goods	3,191.5	3,710.1p	16.2
Services	2,527.0	3,003.0p	18.8
Gross private domestic investment	1,698.9	2,039.9	20.1
Fixed investment	1,543.2	1,859.1	20.5
Nonresidential	1,047.2	1,311.9	25.3
Structures	457.4	676.3	47.9
Producers' durable equipment	589.8p	635.6p	7.8
Residential	496.0	547.2	10.3
Change in inventories	155.7	180.8p	16.1
Government purchases of goods and services	3,400.4	3,593.0	5.7
State and local	1,702.3	1,768.4	3.9
Compensation of employees	854.3	884.1f	3.5
Purchases from business	848.0	884.3f	4.3
Federal	1,698.1	1,824.7	7.5
Defense	1,580.4	1,704.6f	7.9
Nondefense	117.8	120.0f	1.9
Net exports	-1,600.0	-2,059.1	-28.7
Exports	4,518.3	5,127.9	13.5
Commodities (merchandise)	971.3	1,258.7p	29.6
Services and income from investments	998.3	981.0p	-1.7
Visitor and crew expenditures	2,548.6	2,888.2	13.3
Less: imports	6,118.3	7,187.0	17.5
Commodities (merchandise)	4,515.9	5,381.3p	19.2
Services and income from investments	1,231.0p	1,386.0p	12.6
Out-of-State expenditures by Hawaii residents	371.4p	419.7p	13.0
Discrepancy and omissions	585.3p	169.7p	-71.0

f Fiscal year data.
p Preliminary.

Table 3.-- MAJOR SOURCES OF PERSONAL INCOME FOR HAWAII
THIRD QUARTERS OF 1980 AND 1981

[In millions of dollars. Seasonally adjusted at annual rates.]

Total labor and proprietors income and personal income	3rd Q 1980	3rd Q 1981	Percent change
By type: 1/			
Wage & salary	6,292	6,918	9.9
Other labor income	524	572	9.2
Proprietors income	424	453	6.8
By industry: 1/			
Farm	218	234	7.3
Nonfarm	7,022	7,710	9.8
Private	4,939	5,424	9.8
Agricultural services	29	30	3.4
Mining	2	2	-
Construction	501	650	29.7
Manufacturing	421	456	8.3
Transportation, utilities	699	768	9.9
Wholesale trade	331	341	3.0
Retail trade	873	927	6.2
Finance, insurance, real estate	576	671	16.5
Services	1,507	1,577	4.6
Government	2,083	2,286	9.7
Federal, civilian	636	701	10.2
Federal, military	638	727	13.9
State, local	809	858	6.1
Derivation of personal income:			
Total labor & proprietors income 1/	7,240	7,943	9.7
Less: personal contributions for social insurance	434	506	16.6
Net labor & proprietors income 2/	6,806	7,438	9.3
Plus: dividends, interest, rent	1,389	1,642	18.2
Plus: transfer payments	1,282	1,465	14.3
Total personal income 2/	9,477	10,545	11.3

1/ By place of work.
2/ By place of residence.
Source: U.S. Department of Commerce, Bureau of Economic Analysis, printouts dated January 1982.

Table 4.-- MAJOR SOURCES OF PERSONAL INCOME FOR THE UNITED STATES: THIRD QUARTERS OF 1980 AND 1981

[In millions of dollars.]

Total labor and proprietors income and personal income	3rd Q 1980	3rd Q 1981	Percent change
By type: 1/			
Wage & salary	1,339,547	1,493,681	11.5
Other labor income	143,065	160,807	12.4
Proprietors income	123,339	133,094	7.9
By industry: 1/			
Farm	28,762	34,315	19.3
Nonfarm	1,577,189	1,753,267	11.2
Private	1,321,714	1,477,903	11.8
Agricultural services	6,569	7,043	7.2
Mining	27,950	35,509	27.0
Construction	92,829	98,871	6.5
Manufacturing	408,602	463,234	13.4
Transportation, utilities	125,197	137,876	10.1
Wholesale trade	110,173	122,973	11.6
Retail trade	160,152	176,632	10.3
Finance, insurance, real estate	100,184	110,171	10.0
Services	290,060	325,595	12.3
Government	255,474	275,364	7.8
Federal, civilian	60,541	66,674	10.1
Federal, military	22,257	25,299	13.7
State, local	172,677	183,392	6.2
Derivation of personal income:			
Total labor & proprietors income 1/	1,605,951	1,787,582	11.3
Less: personal contributions for social insurance	88,174	104,933	19.0
Net labor & proprietors income 2/	1,517,304	1,682,105	10.9
Plus: dividends, interest, rent	325,968	385,631	18.3
Plus: transfer payments	312,510	345,186	10.5
Total personal income 2/	2,155,782	2,412,922	11.9

1/ By place of work.
2/ By place of residence.
Source: U.S. Department of Commerce, Bureau of Economic Analysis, printouts dated January 1982.

Table 5.-- COMPARATIVE FAMILY BUDGETS FOR HONOLULU: 1970 TO 1981

Type of family and date	Cost of budget (dollars)			Percent of U.S. urban average		
	Lower budget	Intermediate budget	Higher budget	Lower budget	Intermediate budget	Higher budget
URBAN FAMILY OF FOUR PERSONS						
1970: Spring ..	8,597	12,776	19,311	124	120	125
1975: Autumn ..	12,226	18,694	28,302	128	122	127
1976: Autumn ..	12,711	19,633	30,086	127	121	127
1977: Autumn ..	13,280	20,883	31,897	127	122	127
1978: Autumn ..	14,870	23,099	35,602	129	124	130
1979: Autumn ..	16,507	25,799	39,689	131	126	131
1980: Autumn ..	18,480	28,488	44,396	132	123	129
1981: Autumn ..	20,319	31,893	50,317	133	126	132
RETIRED COUPLE						
1970: Spring ..	3,562	5,166	8,312	115	115	117
1975: Autumn ..	5,168	7,339	10,726	115	114	112
1976: Autumn ..	5,397	7,691	11,318	115	114	113
1977: Autumn ..	5,711	8,107	11,882	114	113	111
1978: Autumn ..	6,357	8,987	13,085	115	115	113
1979: Autumn ..	7,040	9,972	14,508	117	116	115
1980: Autumn ..	7,776	10,979	15,889	117	116	114

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Table 6.-- CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U) FOR SELECTED ITEMS FOR HONOLULU: 1978 TO 1982

[1967=100.]

Month and year	All items	Food	Housing	Apparel and upkeep	Trans-portation	Medical care
1978	184.1	212.8	171.7	161.3	170.4	221.0
1979	204.6	239.8	192.7	171.7	189.5	238.7
1980	228.5	260.9	217.5	184.4	224.7	259.5
1981 (p)	252.4	285.9	240.3	193.4	247.3	289.5
1980						
February	220.9	251.7	208.9	180.5	215.7	247.3
April	227.4	256.1	217.8	181.2	221.5	257.1
June	227.5	256.7	216.6	181.5	222.5	256.8
August	230.1	262.9	216.5	187.5	227.6	262.2
October	234.6	267.1	222.0	188.3	229.3	267.3
December	236.1	271.1	223.0	187.5	231.5	266.5
1981						
February	243.3	280.3	229.8	190.8	239.9	272.0
April	250.0	284.8	238.9	190.5	244.7	280.6
June	252.8	286.2	242.0	190.2	247.7	286.9
August	256.6	288.4	245.6	193.7	250.9	297.6
October	259.3	290.6	246.7	199.7	252.1	303.7
December	258.3	289.4	244.1	198.2	253.9	305.8
1982						
February	262.2	296.7	248.0	199.4	253.2	310.8
Percent increase:						
1980 to 1981 .	10.5	9.6	10.5	4.9	10.1	11.6
Feb. 1981 to Feb. 1982 ..	7.8	5.9	7.9	4.5	5.5	14.3

p Preliminary.
Source: U.S. Department of Labor, Bureau of Labor Statistics.

2. EMPLOYMENT

Employment conditions in the State continued to worsen in the first quarter of 1982. While the average number of non-agricultural jobs declined 0.1 percent from 1980 to 1981, it declined 0.8 percent for the January-February 1982 period as compared to the same period for 1981 (Table 7). Construction's decrease of 15.9 percent was the largest among the major industries. The largest increase in jobs for the January-February period was the 6.9 percent for the hotel industry.

The number of wage and salary agricultural jobs decreased 1.3 percent, while self-employed agricultural and non-agricultural jobs increased 3.1 percent and 1.3 percent, respectively, for the January-February 1982 period from the same 1981 period.

The overall State unemployment rate was a moderate 5.6 percent, but the rates on the Neighbor Islands remained significantly higher than the 5.1 percent Oahu rate (Table 10). Hawaii County's rate was the highest at 7.8 percent, and Kauai and Maui Counties' rates, at 6.9 and 6.6 percent, continued to worsen.

It should be noted that all of these figures are based on the preliminary revisions to the 1976-1981 labor force estimates recently released by the Department of Labor and Industrial Relations. The revisions are based on changes in estimating procedures and the initial results from the 1980 Decennial Census.

The revised figures show significant increases in the labor force components. For example, in 1981 persons in the labor force increased by over 40,000 and persons employed and unemployed increased by 38,300 and 2,150, respectively. Unemployment rates did not change significantly.

Figure 1.-- NON-AGRICULTURAL WAGE AND SALARY JOBS: 1979 TO 1981 1/

1/ Data adjusted by DPED to include jobs of workers on strike.
Prepared by: DPED Economic Planning Information System.
Data Source: Hawaii Department of Labor and Industrial Relations.

Table 7.-- NUMBER OF JOBS BY INDUSTRY: 1981 AND 1982

Series	1981 Jan.-Dec. (p)	1982 Jan.-Feb. (p)	Percent change from previous year: 1981 Jan.-Dec.	Percent change from previous year: 1982 Jan.-Feb. (p)
Non-agricultural jobs	403,700	400,050	-0.1	-0.8
Construction	23,350	20,450	-2.5	-15.9
Manufacturing	22,950	22,050	-2.3	-0.6
Food processing	11,200	10,250	-4.7	-1.4
Transp., commun., utilities ...	30,900	30,600	0.1	-1.3
Trade	104,050	104,350	-0.4	0.8
Wholesale	18,000	18,250	-3.0	1.8
Retail	86,050	86,100	0.1	0.6
Finance, insur., & real estate	33,600	32,400	0.3	-4.1
Services	99,950	101,600	1.1	1.4
Hotels	24,300	26,150	-2.5	6.9
Government	88,900	88,750	-0.2	0.2
Federal	30,400	30,850	1.4	3.3
State	45,200	45,700	0.1	-0.2
Local	13,300	12,200	-4.3	-5.4
Agriculture (wage & salary)	11,200	9,600	6.3	-1.3
Sugar	5,050	4,550	4.4	-3.7
Pineapple	2,250	1,750	-10.3	9.4
Diversified agriculture	3,900	3,300	22.1	-2.9
Non-agricultural self-employed 1/	24,400	24,250	-1.6	1.3
Agricultural self-employed 1/ ...	4,250	4,150	-5.2	3.1

p Preliminary.
1/ Self-employed includes unpaid family workers and domestics.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 8.-- NON-AGRICULTURAL JOBS BY COUNTY: 1975 TO 1982

Year	State	City & County of Honolulu	Hawaii County	Maui County	Kauai County
1975	342,800	287,450	24,350	19,450	11,600
1978	377,300	312,550	26,550	24,550	13,650
1979	394,100	325,750	27,650	26,450	14,250
1980	404,250	333,200	28,300	28,050	14,700
1981	403,700	333,250	28,250	27,650	14,650
1981					
1st Q	404,350	333,900	28,550	27,350	14,500
2nd Q	405,250	335,500	28,100	27,400	14,300
3rd Q	402,250	331,850	28,300	27,650	14,400
4th Q	403,050	331,650	27,950	28,200	15,250
1982					
Jan-Feb (p)	400,050	327,750	28,050	28,900	15,400
	Percent change from same period in previous year				
1979	4.4	4.2	4.0	7.7	4.5
1980	2.6	2.3	2.5	6.1	3.1
1981	-0.1	0.0	0.3	-1.4	-0.5
1981					
1st Q	0.3	0.4	1.7	-1.1	-1.0
2nd Q	-0.5	-0.1	-0.3	-3.4	-2.5
3rd Q	-0.1	0.2	0.0	-2.2	-2.6
4th Q	-0.3	-0.4	-2.6	1.1	4.2
1982					
Jan-Feb (p)	-0.8	-1.6	-1.8	5.8	5.5

p Preliminary.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 9.-- CIVILIAN LABOR FORCE AND EMPLOYMENT BY COUNTY: 1970 TO 1982

[Persons.]

Subject and year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Civilian labor force					
1970	321,550	258,900	28,300	13,650	20,700
1975	382,950	304,200	34,600	16,300	27,800
1976 (r)	409,050	323,950	37,000	17,750	30,350
1977 (r)	419,050	330,500	37,850	18,550	32,150
1978 (r)	417,000	328,150	37,400	18,350	33,100
1979 (r)	420,000	330,150	37,250	18,500	34,100
1980 (r)	438,000	338,900	41,850	20,000	37,250
1981 (r)	449,000	346,200	43,350	20,600	38,850
1st Q	442,900	342,150	42,550	20,250	37,950
2nd Q	452,350	349,350	43,050	20,600	39,350
3rd Q	451,700	347,100	44,000	20,800	39,800
4th Q	449,150	346,300	43,850	20,700	38,300
1982					
Jan.-Feb.	447,650	345,100	42,750	20,950	38,850
Civilian employment					
1970	305,650	246,400	27,050	12,950	19,250
1975	351,100	280,050	31,150	14,800	25,050
1976 (r)	368,950	292,950	32,800	16,050	27,150
1977 (r)	388,000	306,500	34,350	17,350	29,800
1978 (r)	385,050	303,600	33,700	17,100	30,650
1979 (r)	394,000	310,300	34,250	17,450	32,000
1980 (r)	416,950	323,500	39,150	19,050	35,250
1981 (r)	425,000	329,100	39,950	19,400	36,550
1st Q	421,050	326,500	39,500	19,250	35,800
2nd Q	427,950	332,000	39,550	19,350	37,050
3rd Q	426,700	329,250	40,550	19,500	37,400
4th Q	424,400	328,700	40,300	19,400	36,000
1982					
Jan.-Feb.	422,600	327,450	39,400	19,500	36,300

r Revised.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 10.-- CIVILIAN UNEMPLOYED AND UNEMPLOYMENT RATE BY COUNTY: 1970 TO 1982

Subject and year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Civilian unemployed (persons)					
1970	15,900	12,500	1,250	700	1,450
1975	31,850	24,200	3,450	1,500	2,750
1976 (r)	40,000	30,950	4,200	1,650	3,200
1977 (r)	30,950	23,950	3,450	1,200	2,350
1978 (r)	32,000	24,550	3,750	1,250	2,450
1979 (r)	26,000	19,900	2,950	1,050	2,100
1980 (r)	21,050	15,400	2,700	950	2,000
1981 (r)	24,000	17,100	3,400	1,200	2,300
1st Q	21,850	15,650	3,100	1,000	2,100
2nd Q	24,400	17,350	3,500	1,250	2,300
3rd Q	25,000	17,850	3,450	1,300	2,400
4th Q	24,800	17,600	3,550	1,300	2,350
1982					
Jan.-Feb.	25,050	17,700	3,350	1,450	2,550
Unemployment rate (percent)					
1970	4.9	4.8	4.4	5.2	7.0
1975	8.3	8.0	9.9	9.1	9.8
1976 (r)	9.8	9.6	11.3	9.4	10.5
1977 (r)	7.4	7.3	9.2	6.5	7.4
1978 (r)	7.7	7.5	10.0	6.8	7.5
1979 (r)	6.2	6.0	8.0	5.6	6.2
1980 (r)	4.8	4.5	6.4	4.6	5.3
1981 (r)	5.3	4.9	7.8	5.9	5.9
1st Q	4.9	4.6	7.3	4.9	5.5
2nd Q	5.4	5.0	8.1	6.1	5.8
3rd Q	5.5	5.1	7.8	6.2	6.0
4th Q	5.5	5.1	8.1	6.3	6.1
1982					
Jan.-Feb.	5.6	5.1	7.8	6.9	6.6

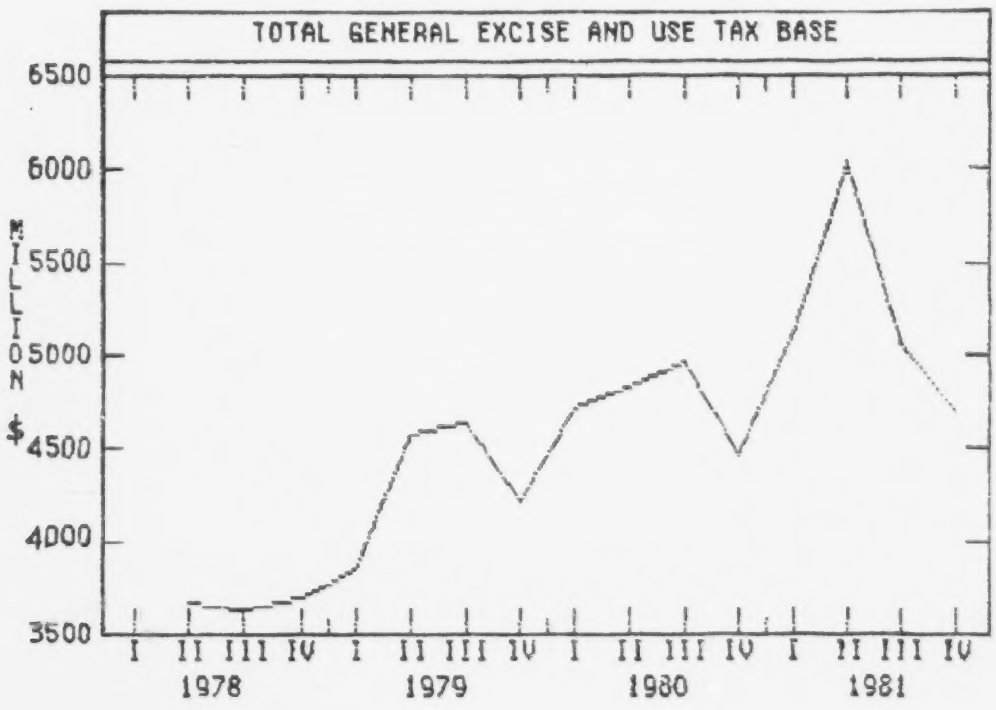
r Revised.
Source: Hawaii State Department of Labor and Industrial Relations.

3. BUSINESS ACTIVITY AND TAX REVENUES

Overall business transactions subject to excise and use tax in 1981 increased 10.2 percent over the previous year, but managed only a 5.1 percent increase for the fourth quarter (Table 11). Sugar processing and pineapple canning -- which are discussed in Section 6 -- and manufacturing actual recorded sales decreases in 198 . These three industries, plus construction (see Section 5) and diversified agriculture, also recorded fourth quarter declines.

With the State's economy as sluggish as it is, tax revenue growth is understandably also slowing. General excise and use tax revenues, up 13 percent in 1980, grew by only 9.1 percent in 1981 (Table 12). Net individual income tax receipts, which rose by 16.9 percent in 1980, rose just 4.2 percent last year. Net corporate income tax collections actually declined by 0.7 percent last year compared to 1980's 16.3 percent increase.

Figure 2.-- TOTAL BUSINESS TRANSACTIONS SUBJECT TO EXCISE AND USE TAX: 1979 TO 1981 1/



1/ Data lagged one month by DPED to account for reporting delays.
Prepared by: DPED, Economic Planning Information System.
Data Source: Hawaii Department of Taxation.

Table 11.-- VALUE OF BUSINESS TRANSACTIONS IN HAWAII SUBJECT TO STATE EXCISE AND USE TAX: 1980 AND 1981 1/

[Millions of dollars.]

Year	Total taxable transactions	Selected industry transactions				
		Retailing	Services	Hotel rental	Diversified agriculture	Manufacturing
1980	18,966.2	6,075.5	1,750.1	720.7	141.3	620.1
1981	20,903.8	6,688.1	1,792.1	759.4	176.6	615.9
1980						
1st Q	4,710.9	1,567.4	409.3	210.8	22.0	162.8
2nd Q	4,825.2	1,530.2	467.3	174.5	42.5	149.9
3rd Q	4,967.3	1,519.2	485.2	189.1	36.4	173.8
4th Q	4,462.8	1,458.7	388.2	146.2	40.4	133.5
1981						
1st Q	5,119.4	1,703.7	447.6	200.6	43.1	148.7
2nd Q	6,042.0	1,772.0	501.5	220.6	55.1	191.8
3rd Q	5,053.3	1,674.3	438.7	182.2	39.7	152.7
4th Q	4,689.0	1,538.1	404.2	156.0	38.7	122.6
	Percent change from previous year					
1981	10.2	10.1	2.4	5.4	25.0	-0.7
	Percent change from same period in previous year					
1980						
1st Q	23.0	16.9	22.6	27.0	-45.3	55.4
2nd Q	5.5	10.3	21.3	-11.2	3.4	-8.5
3rd Q	7.4	6.8	32.1	14.3	-0.6	8.7
4th Q	6.1	6.1	16.2	11.4	5.7	-8.0
1981						
1st Q	8.7	8.7	9.4	-4.9	95.6	-8.6
2nd Q	25.2	15.9	7.3	26.4	29.6	27.9
3rd Q	1.7	10.3	-9.6	-3.7	9.2	-12.2
4th Q	5.1	5.4	4.1	6.7	-4.3	-8.1

1/ Data lagged one month to account for reporting delay.
Source. Hawaii Department of Taxation.

Table 12.-- COLLECTIONS OF KEY STATE TAXES AND GENERAL FUND TAX REVENUES: CALENDAR YEARS 1970 TO 1982

[Thousands of dollars.]

Year	General excise and use tax	Net individual income tax 1/	Net corporate income tax 2/	Tax revenues distributed to State general fund 3/
1970	172,289	112,019	13,241	337,216
1975	301,475	178,922	37,310	585,701
1978	392,236	239,587	25,597	749,216
1979	466,535	287,162	37,774	890,434
1980	527,304	335,850	43,913	1,008,750
1981	575,216	349,643	43,595	1,070,895
1981 1st Q	134,737	83,224	10,042	244,361
2nd Q	152,233	81,655	20,354	294,415
3rd Q	147,969	92,788	9,705	270,951
4th Q	140,278	91,975	2,847	261,168
1982 Jan.-Feb.	91,091	68,441	7,749	173,541
	Percent change from previous year			
1978	11.4	12.9	11.2	11.5
1979	18.9	19.9	47.6	18.8
1980	13.0	16.9	16.3	13.3
1981	9.1	4.2	-0.7	6.1
	Percent change from corresponding period in previous year			
1981 1st Q	5.2	-2.1	-6.7	2.0
2nd Q	10.9	0.8	22.7	9.0
3rd Q	11.9	10.4	-19.7	6.3
4th Q	8.1	7.4	-36.3	7.0
1982 Jan.-Feb.	7.8	20.3	1.9	9.3

1/ Declaration of estimated taxes, plus payments with returns, plus withholding tax on wages, less refunds.

2/ Declaration of estimated taxes, plus payments with returns, less refunds.

3/ Excludes non-tax sources.

Source: Hawaii State Department of Taxation.

4. VISITOR INDUSTRY

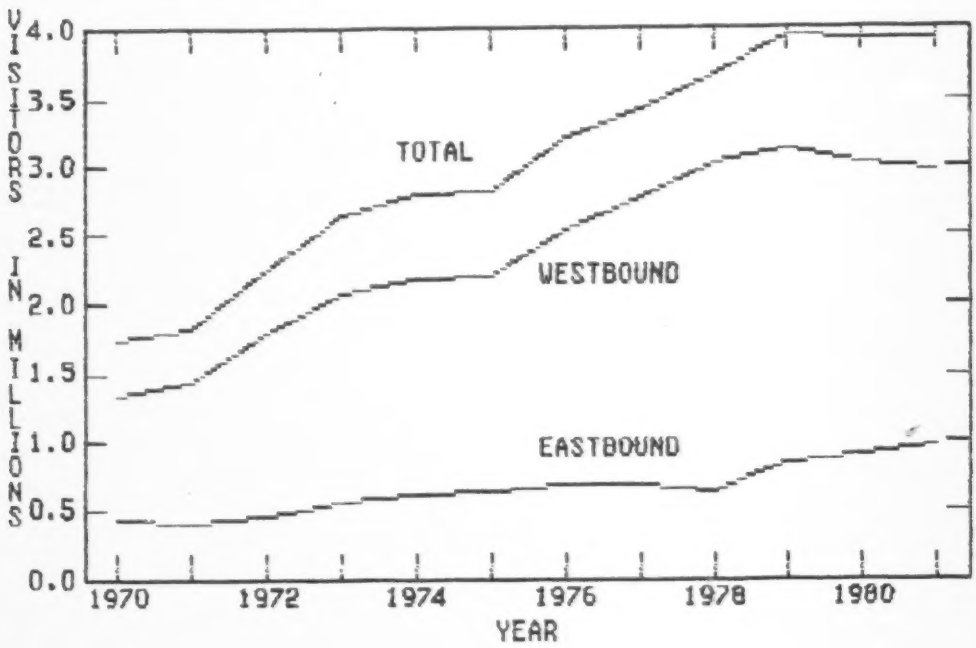
After showing little or no growth over the last two years, tourism has staged somewhat of a rebound in the first quarter of 1982. Total overnight or longer visitors to the State for the quarter increased 8.3 percent over the same period in 1981, with the westbound count increasing 9.6 percent (Table 13).

The preliminary figures for the first quarter show that the average number of visitors present in the Islands was 110,811. Waikiki and Maui hotel occupancy rates jumped significantly during this period compared with 1981 (Table 16).

The Islands of Hawaii and Kauai recorded small increases in westbound visitors, but Maui recorded an increase of 10.7 percent over the first quarter of 1981 (Table 14).

Table 15 shows how the number of visitors from the Mainland United States and Canada has been dropping over the past few years and how the slack has been taken up mainly by visitors from Asia and Europe. From 1978 to 1981 Asia increased its share of Hawaii's visitors from 16.4 percent to 22.3 percent; Europe increased its share from 1.7 to 4.3 percent; the United Kingdom, from 0.7 to 2.4 percent.

Figure 3.-- VISITORS BY DIRECTION OF TRAVEL: 1970 TO 1981



Prepared by: DPED, Economic Planning Information System.
Data Source: Hawaii Visitors Bureau.

Table 13.-- OVERNIGHT VISITORS AND AVERAGE DAILY VISITOR CENSUS: 1970 TO 1982

Year	Overnight and longer visitors			Average number present	
	Total	Westbound	Eastbound	Westbound	All
1970	1,746,970	1,326,135	420,835	32,331	36,943
1975	2,829,105	2,207,417	621,688	59,495	66,308
1978	3,670,309	3,030,999	639,310	85,028	92,034
1979	3,960,531	3,139,455	821,076	89,678	98,676
1980	3,934,504	3,046,132	888,372	86,788	96,497
1981	3,934,623	2,974,791	959,832	85,163	95,496
1980 1st Q	1,004,830	791,550	213,280	94,968	104,447
2nd Q	942,853	720,919	221,934	77,936	87,800
3rd Q	1,047,282	816,583	230,699	94,241	104,494
4th Q	939,539	717,080	222,459	79,742	89,629
1981 1st Q	959,041	733,191	225,850	90,639	100,677
2nd Q	984,474	740,237	244,237	79,871	90,726
3rd Q	1,042,330	791,378	250,952	91,036	101,980
4th Q	948,778	709,985	238,793	79,211	89,279
1982 1st Q (p)	1,038,511	803,920	234,591	100,385	110,811
	Percent change from previous year				
1978	6.9	9.7	-4.6	12.3	10.8
1979	7.9	3.6	28.4	5.5	7.2
1980	-0.7	-3.0	8.2	-3.2	-2.2
1981	0.0	-2.3	8.0	-1.9	-1.0
	Percent change from corresponding period in previous year				
1980 1st Q	-5.3	-9.2	13.0	-9.3	-7.6
2nd Q	6.5	5.7	9.1	3.3	3.9
3rd Q	-0.8	-2.9	6.9	-1.6	-0.8
4th Q	-1.9	-3.7	4.4	-4.1	-3.2
1981 1st Q	-4.6	-7.4	5.9	-4.6	-3.6
2nd Q	4.4	2.7	10.0	2.5	3.3
3rd Q	-0.5	-3.1	8.8	-3.4	-2.4
4th Q	1.0	-1.0	7.3	-0.7	-0.4
1982 1st Q (p)	8.3	9.6	3.9	10.8	10.1

p Preliminary
Source: Hawaii Visitors Bureau.

Table 14.-- WESTBOUND VISITORS TO THE NEIGHBOR ISLANDS: 1970 TO 1982

Year	Westbound visitors to Neighbor Islands		
	Hawaii	Maui	Kauai
1970	445,401	447,985	410,075
1975	769,779	931,863	632,821
1978	908,983	1,403,054	837,712
1979	864,562	1,420,798	825,366
1980	761,103	1,378,189	781,409
1981	648,382	1,344,278	730,963
1980: 1st Q	208,235	362,912	194,590
2nd Q	183,462	326,217	192,166
3rd Q	201,976	370,230	218,068
4th Q	167,430	318,830	176,585
1981: 1st Q	165,947	351,267	174,195
2nd Q	156,442	332,922	188,584
3rd Q	167,839	344,767	195,853
4th Q	158,154	315,322	172,331
1982: 1st Q (p)	166,848	388,835	176,971
	Percent change from previous year		
1978	8.3	11.6	13.1
1979	-4.9	1.3	-1.5
1980	-12.0	-3.0	-5.3
1981	-14.8	-2.5	-6.5
	Percent change from corresponding period in previous year		
1980: 1st Q	-17.0	-9.2	-13.5
2nd Q	-1.5	6.9	1.7
3rd Q	-13.6	-4.7	-5.1
4th Q	-13.4	-2.7	-2.7
1981: 1st Q	-20.3	-3.2	-10.5
2nd Q	-14.7	2.1	-1.9
3rd Q	-16.9	-6.9	-10.2
4th Q	-5.5	-1.1	-2.4
1982: 1st Q (p) ...	0.5	10.7	1.6

p Preliminary
Source: Hawaii Visitors Bureau.

Table 15.-- ESTIMATES OF OVERNIGHT AND LONGER VISITORS TO HAWAII BY NATIONAL ORIGIN: 1978 TO 1981

Geographic area	Number and percent distribution							
	1978	% dist.	1979	% dist.	1980	% dist.	1981	% dist.
Total	3,670,000	100.0	3,960,000	100.0	3,935,000	100.0	3,935,000	100.0
United States	2,457,000	66.9	2,560,000	64.6	2,456,000	62.4	2,314,000	58.8
Asia	603,000	16.4	747,800	18.9	817,500	20.8	878,000	22.3
Japan	524,000	14.3	653,600	16.5	658,100	16.7	690,400	17.5
Canada	358,000	9.8	348,600	8.8	331,800	8.4	291,000	7.4
Oceania and South Pacific	172,000	4.7	216,200	5.5	230,100	5.9	252,000	6.4
Australia	130,000	3.5	159,600	4.0	164,100	4.2	171,900	4.4
New Zealand	32,000	0.9	45,800	1.2	57,300	1.5	68,500	1.7
Europe	61,000	1.7	67,000	1.7	80,200	2.0	169,000	4.3
United Kingdom	27,000	0.7	29,600	0.7	46,900	1.2	96,200	2.4
Germany	13,000	0.4	16,400	0.4	17,600	0.4	28,900	0.7
South America	17,000	0.4	16,900	0.4	14,900	0 4	28,000	0.7
Other	2,000	0.1	3,500	0.1	4,500	0.1	3,000	0.1

Source: Hawaii Visitors Bureau.

Table 16.-- HOTEL OCCUPANCY RATES BY AREA: 1970 TO 1982

[Survey does not include some large hotel chains.]

Date	Waikiki	Hawaii	Kauai	Maui
Annual average:				
1970	74.1	68.3	58.0	66.7
1975	78.3	59.9	77.2	72.3
1978	82.1	65.0	83.3	80.4
1979	77.1	62.0	76.5	73.0
1980	72.3	52.1	69.2	66.4
1981	73.9	48.3	62.9	NA
1981				
January	69.9	37.1	60.6	65.7
February	84.5	61.0	66.6	81.5
March	75.0	53.5	69.4	72.8
April	69.8	45.8	65.2	59.6
May	70.4	43.9	68.4	57.9
June	75.7	42.9	64.0	53.7
July	73.2	50.5	63.9	57.2
August	82.2	51.3	65.9	64.6
September	75.9	42.4	57.4	56.1
October	70.7	46.3	63.1	75.5
November	68.9	44.5	51.7	66.8
December	71.4	37.9	50.6	59.2
1982				
January	76.5	36.7	50.4	66.6
February	94.2	59.8	70.1	89.3
March	93.6	51.3	68.2	89.2

NA Not available.

Source: Hawaii Visitors Bureau; Panell, Kerr, Forster and Company.

Table 17.-- HOTEL UNITS, EXISTING AND PLANNED: 1970 TO 1982

Year 1/	State total	Oahu		County of Hawaii	County of Kauai	County of Maui 2/
		Oahu total	Waikiki			
1970	30,323	21,217	18,452	3,486	2,609	3,011
1976	44,093	27,099	23,358	5,887	3,711	7,396
1977	46,048	28,083	24,576	6,013	3,603	8,349
1978	48,790	29,294	25,585	6,105	4,162	9,229
1979	51,782	32,088	28,142	5,979	4,107	9,608
1980	55,700	34,173	30,293	6,299	4,707	10,521
1981	57,239	33,480	28,986	7,219	5,221	11,319
1982 (February)	57,968	33,492	29,047	7,167	5,147	12,162
Planned completion 3/ (as of February 1982)						
1982	1,872	1,061	1,061	401	110	300
1983	1,040	425	425	0	350	265
Indefinite	3,786	500	0	1,700	386	1,200
Total	6,698	1,986	1,486	2,101	846	1,765

1/ As of October unless otherwise specified.
2/ Includes the Islands of Maui, Molokai, and Lanai.
3/ In addition to planned hotel and condominium units reported in this table, other condominium units are under construction or planned but the estimated number of rental units to be available for visitors has not yet been determined. These units number 1,536 in Waikiki, 3,005 in Hawaii County, 1,876 in Kauai County, and 4,997 in Maui County, for a State total of 11,414.

Source: Hawaii Visitors Bureau, Visitor Plant Inventory.

Table 18.-- AVERAGE DAILY HOTEL ROOM RATES, BY ISLANDS: 1970 TO 1981

[Dollars.]

Year	State	Oahu	Hawaii	Maui	Kauai
1970	25.74	-	-	-	-
1975	29.75	-	-	-	-
1976	29.54	26.70	30.52	37.61	34.51
1977	34.28	31.87	33.08	42.59	38.45
1978	38.56	35.90	36.70	47.86	42.25
1979	44.40	41.42	41.44	57.15	47.75
1980	47.37	42.70	46.40	61.34	55.16
1981	49.73	43.05	47.16	73.27	56.06
Increase (%) 1976-1981 ...	68.4	61.2	54.5	94.8	62.5

Source: Panell Kerr Forster & Company, Trends in the Hotel Industry, Hawaii.

5. CONSTRUCTION

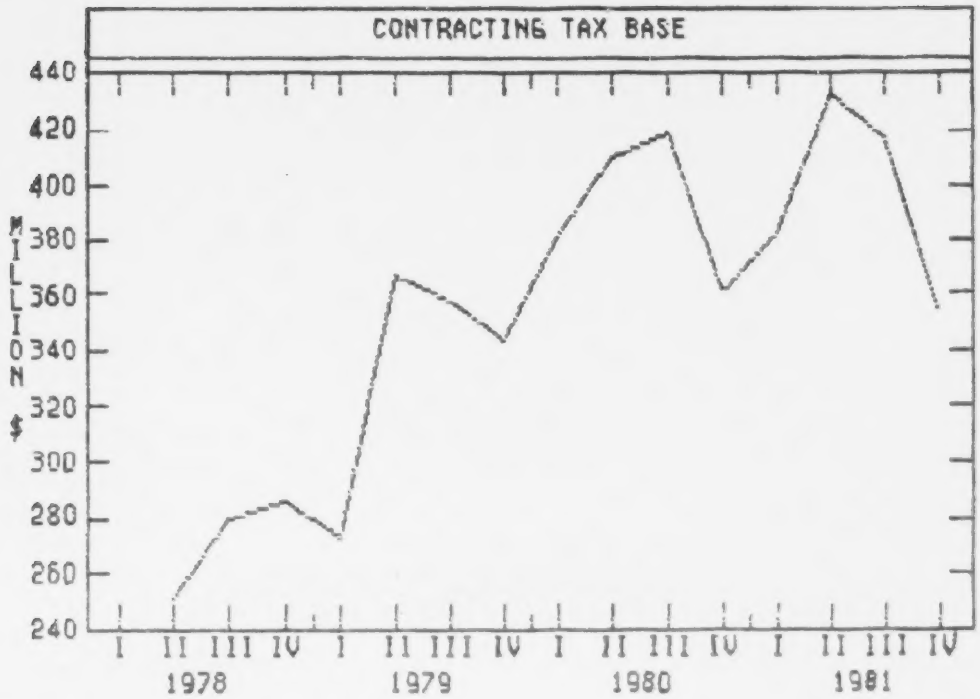
The value of construction completed in the State in 1981 is estimated to have increased 1 percent over 1980 in current dollars (Table 19). However, with construction costs increasing about 3 to 6 percent during the year (Table 23), real construction decreased about 4 percent.

Private building authorizations for the second half of 1981 and the first quarter of 1982 indicate a continuing decrease in construction activity for 1982. In these last three quarters, the value of authorizations has decreased 50.3, 66.4 and 52.1 percent from the corresponding periods of the previous year. All four counties have been recording large decreases (Table 20).

The number of single-family residential units authorized for the State in 1981 decreased more than 34 percent from the previous year, matching the 1980 decrease (Table 21). Authorized multi-family units decreased 52.4 percent in 1981, the first year-to-year decrease since 1977 (Table 22). Partial data for the first quarter of 1982 show the number of authorized single-family and multi-family units continuing the decline.

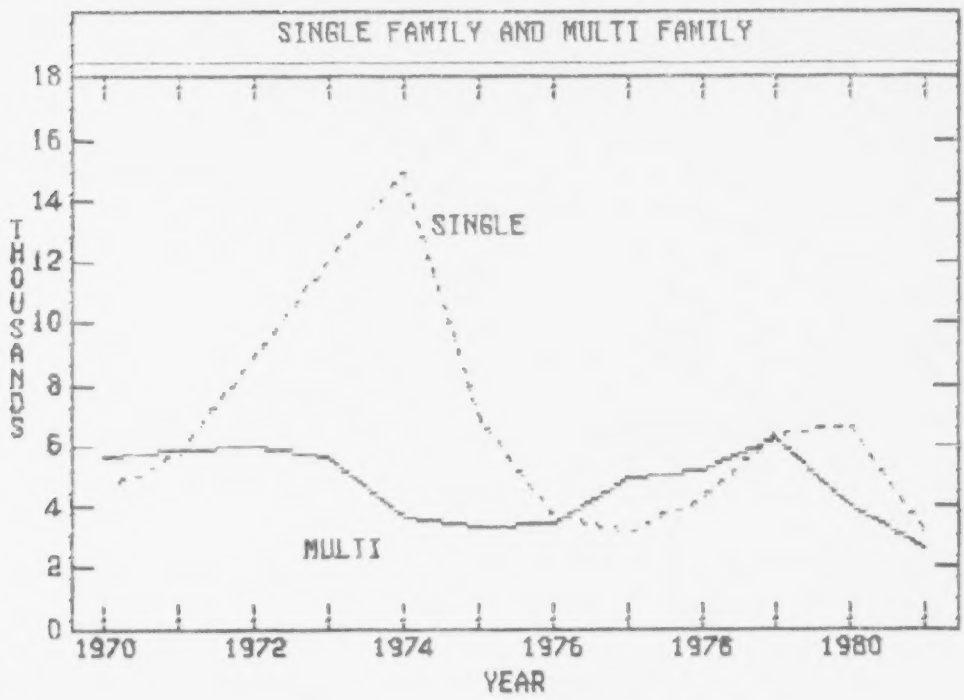
According to the 1980 Census, the average estimated value or price asked for owner-occupied non-condominium units in Hawaii was $128,100 and $131,000 for vacant-for-sale non-condominium units. The average estimated value or price asked for owner-occupied condominium units was $113,100 and $130,000 for vacant-for-sale condo units (Table 24). The average cash rent being paid in Hawaii was $287 per month.

Figure 4.-- CONTRACTING TAX BASE: 1978 TO 1981 1/



1/ Includes revenue subject to State excise and use tax data lagged one month to account for reporting delays.
Prepared by: DPED, Economic Planning Information System.
Data Source: Hawaii Department of Taxation.

Figure 5.-- SINGLE-FAMILY AND MULTI-FAMILY HOUSING UNITS AUTHORIZED: 1970 TO 1981



Prepared by: DPED, Economic Planning Information System.
Data Source: County building departments.

Table 19.-- ESTIMATED VALUE OF COMPLETED CONSTRUCTION, NEW BUILDING AUTHORIZATIONS AND GOVERNMENT CONTRACTS AWARDED: 1970 TO 1982

[Millions of dollars.]

Year	Value of construction completed 1/	Private building authorizations				Government contracts awarded
		Total private authorization	Residential	Commercial and industrial 2/	Additions and alterations	
1970	783.8	447.2	212.5	184.5	50.2	176.2
1975	1,140.0	610.6	343.3	187.2	80.1	450.3
1980	1,569.7	1,219.2	680.2	331.5	207.5	230.6
1981	1,584.7	802.0	398.3	240.8	162.9	427.5
1981 1st Q ...	382.4	227.2	102.9	81.2	43.1	109.4
2nd Q ...	432.8	266.0	180.9	50.3	34.8	51.7
3rd Q ...	416.7	169.3	70.9	46.3	52.1	84.0
4th Q ...	352.7	139.5	43.6	63.0	32.9	182.4
1982 1st Q ...	NA	3/ 78.6	29.1	25.7	23.8	67.3
	Percent change from corresponding period in previous year					
1980	16.9	39.3	27.1	53.8	67.2	-40.7
1981	1.0	-34.2	-41.4	-27.4	-21.5	85.4
1981 1st Q ...	0.4	-4.5	-16.7	31.6	-18.2	159.9
2nd Q ...	5.8	18.3	51.9	-20.4	-18.3	89.4
3rd Q ...	-0.6	-50.3	-70.5	-26.9	39.7	-18.4
4th Q ...	-2.3	-66.4	-77.9	-56.0	-56.0	212.9
1982 1st Q ...	NA	3/ -52.1	-39.0	-67.3	-37.5	-38.5

NA Not available.

1/ Value of construction subject to State excise tax (data lagged one month to account for reporting delays).

2/ Includes hotels.

3/ Private authorizations exclude Maui because of late reporting.

Source: Hawaii Department of Taxation; County Building Departments; Trade Publishing Co., Building Industry Digest.

Table 20.-- ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION AUTHORIZATIONS BY COUNTY: 1970 TO 1982

[Millions of dollars.]

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	447.2	322.3	48.6	35.7	40.7
1975	610.6	407.1	49.7	36.1	117.7
1978	672.4	370.6	74.4	58.5	168.9
1979	874.9	501.4	112.2	113.8	147.5
1980	1,219.2	686.3	146.0	133.3	253.7
1981	802.0	454.1	136.5	67.7	139.6
1981 1st Q ...	227.2	93.2	53.9	17.1	62.9
2nd Q ...	266.0	190.5	17.5	18.6	39.5
3rd Q ...	169.3	90.6	47.0	14.3	17.5
4th Q ...	139.5	79.9	18.2	17.7	19.7
1982 1st Q 1/	78.6	50.3	13.7	14.6	NA
	Percent change from previous year				
1978	44.0	18.6	21.4	108.9	125.8
1979	30.1	35.3	50.8	94.5	-12.7
1980	39.4	36.9	30.1	17.1	72.0
1981	-34.2	-33.8	-6.5	-49.2	-45.0
	Percent change from corresponding period in previous year				
1981 1st Q ...	-4.5	-14.7	25.9	-50.2	21.9
2nd Q ...	18.3	42.6	-39.5	93.0	-25.3
3rd Q ...	-50.3	-32.0	-1.3	-73.0	-83.6
4th Q ...	-66.4	-74.2	-32.1	-51.2	-53.6
1982 1st Q 1/	-52.1	-46.0	-74.6	-15.1	NA

NA Not available.

1/ Authorizations exclude Maui figures for the first quarter because of late reporting.

Source: County building departments.

Table 21.-- NUMBER OF SINGLE-FAMILY HOUSING UNITS AUTHORIZED BY COUNTY: 1970 TO 1982 1/

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	5,611	4,017	790	326	478
1975	3,233	1,155	838	343	897
1976	3,384	1,384	821	297	881
1977	4,891	2,281	1,074	445	1,091
1978	5,219	2,270	1,382	567	1,000
1979	6,181	3,156	1,445	556	1,024
1980	4,058	1,645	1,204	401	808
1981	2,649	728	1,048	409	464
1981 1st Q	775	234	269	137	135
2nd Q	697	217	279	105	96
3rd Q	638	176	290	71	101
4th Q	539	101	210	96	132
1982 1st Q 2/ .	341	82	197	62	NA
	Percent change from previous year				
1978	6.7	0.5	28.7	27.4	-8.3
1979	18.4	39.0	4.6	-1.9	2.4
1980	-34.4	-47.9	-16.7	-27.9	-21.1
1981	-34.7	-55.7	-13.0	2.0	-42.6
	Percent change from corresponding period in previous year				
1981 1st Q	-31.6	-52.6	-15.1	28.0	-37.2
2nd Q	-33.3	-48.3	-20.1	18.0	-48.7
3rd Q	-28.1	-32.8	12.4	-34.9	-60.9
4th Q	-45.6	-78.5	-25.0	0.0	-10.8
1982 1st Q 2/ .	-46.7	-65.0	-26.8	-54.7	NA

NA Not available.
1/ Includes duplexes.
2/ Excludes authorizations for Maui County.
Source: County building departments.

Table 22.-- NUMBER OF MULTI-FAMILY HOUSING UNITS AUTHORIZED BY COUNTY: 1970 TO 1982 1/

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	4,620	3,673	389	67	491
1975	6,992	4,186	498	202	2,106
1976	3,751	3,397	129	4	221
1977	3,129	2,389	129	83	528
1978	4,236	1,968	334	610	1,324
1979	6,351	1,804	718	1,125	2,704
1980	6,603	3,297	727	766	1,813
1981 2/	3,142	1,873	270	64	935
1981 1st Q	740	155	21	46	520
2nd Q	1,877	1,576	0	0	301
3rd Q	409	44	249	18	98
4th Q	114	98	0	0	16
1982 1st Q 2/ .	191	73	0	118	NA
	Percent change from previous year				
1978	39.1	-1.8	158.9	3/	150.8
1979	49.9	-8.3	115.0	84.4	104.2
1980	4.0	82.8	1.3	-31.9	-33.0
1981	-52.4	-43.2	-62.9	-91.6	-48.4
	Percent change from corresponding period in previous year				
1981 1st Q	-40.2	-60.9	-74.1	79.5	3.0
2nd Q	71.1	160.9	-100.0	-100.0	10.3
3rd Q	-71.3	-94.5	-24.5	-96.6	-85.9
4th Q	-94.9	-93.5	-100.0	-100.0	-94.9
1982 1st Q 2/ .	-13.2	-52.9	-100.0	156.5	NA

NA Not available.
1/ Three or more units per structure.
2/ Excludes authorizations for Maui County.
Source: County building departments.

Table 23.-- HONOLULU CONSTRUCTION COST INDEXES: 1970 TO 1982

[1967=100.]

Year 1/	Single-family residence			High-rise building		
	All components	Material prices	Labor 2/	All components	Material prices	Labor 2/
1970	118.0	112.9	124.5	117.9	109.3	125.2
1975	175.7	167.1	186.6	178.8	171.3	185.3
1979	266.2	248.3	288.8	264.3	237.6	287.5
1980	283.2	263.8	307.8	290.1	270.5	307.1
1981	291.2	254.2	336.6	308.2	274.6	337.4
1981						
Mar. ...	288.6	254.2	332.0	304.6	272.4	332.6
June ...	287.1	250.3	333.6	304.9	271.8	333.6
Sept. ..	297.1	254.7	350.5	314.3	273.1	350.0
Dec. ...	296.3	251.4	352.7	318.8	281.1	351.6
1982						
Feb. ...	298.1	253.3	354.7	319.2	280.2	353.0
	Percent change from previous year					
1979	9.4	13.5	5.2	9.5	16.1	5.3
1980	6.4	6.2	6.6	9.8	13.8	6.8
1981	2.8	-3.6	9.4	6.3	1.5	9.9
	Percent change from corresponding period in previous year					
1981						
Mar. ...	0.8	-7.1	9.8	5.9	0.6	10.1
June ...	3.6	-2.3	10.0	6.7	2.1	10.2
Sept. ..	3.2	-3.0	9.7	5.3	-0.6	9.6
Dec. ...	2.9	-4.1	10.1	6.9	2.9	9.9
1982						
Feb. ...	3.7	-2.6	10.1	6.9	2.6	10.0

1/ Annual averages unless otherwise specified.
2/ Includes wages and benefits.
Source: First Hawaiian Bank, Research Division.

Table 24.-- AVERAGE VALUE AND RENT OF HOUSING UNITS, BY COUNTIES: 1980

[In dollars.]

Tenure, type of unit and occupancy status	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
VALUE OR PRICE ASKED					
Non-condominium units:					
Owner-occupied	128,100	139,800	82,200	104,600	121,600
Vacant-for-sale	131,000	139,800	106,200	116,900	176,300
Condominium units:					
Owner-occupied	113,100	111,400	104,600	147,600	157,900
Vacant-for-sale	130,800	114,300	164,900	218,000	167,000
CONTRACT RENT OR RENT ASKED (MONTHLY)					
Renter paying cash ...	287	296	229	209	299
Vacant for rent	443	431	401	490	474

Source: U.S. Bureau of the Census, Census of Population and Housing, 1980: Summary Tape File 1A, Hawaii (1981).

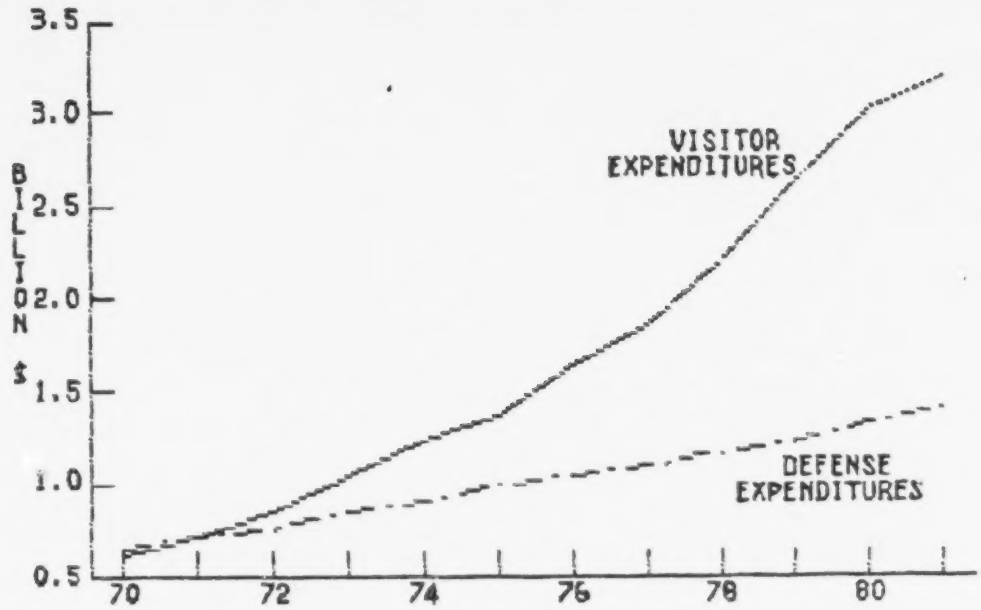
6. MAJOR SOURCES OF INCOME

A preliminary estimate of $3.2 billion in visitor expenditures for 1981 indicates an increase of 11 percent over 1980 (Table 25). With the number of visitors the same for both years and the Consumer Price Index rising 10.5 percent over the period, virtually the entire increase in visitor expenditures was accounted for by inflation.

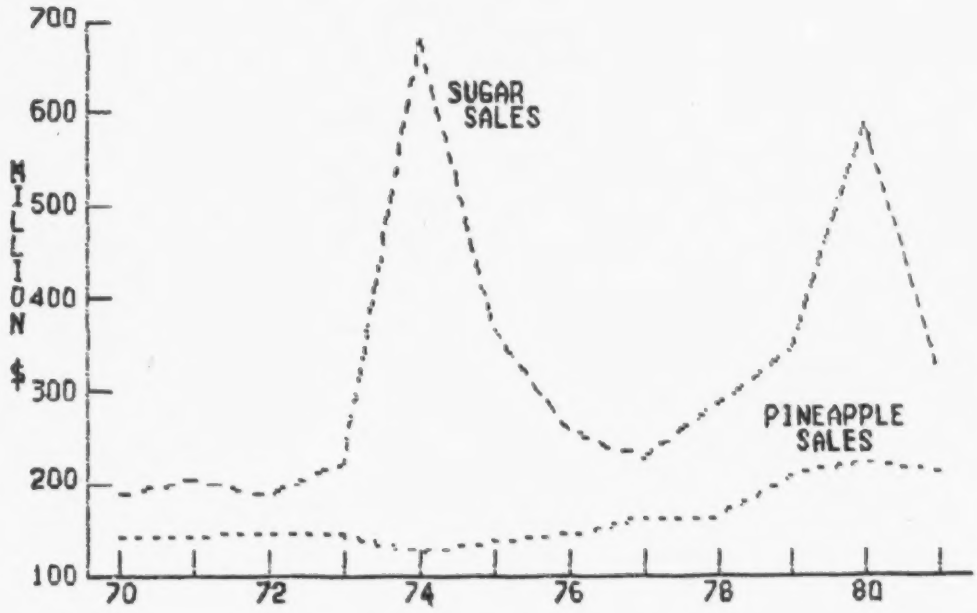
The $1.45 billion in defense expenditures for 1981 represents a 10 percent increase over 1980 (Table 26). The rate of increase was approximately the same for each branch of service.

Sales of sugar and molasses in 1981 totaled $392.5 million, a 28 percent decrease from the previous year (Table 27). Sharply lower prices were the cause. Canned pineapple sales were $169.8 million in 1981, a decrease of 11.1 percent from 1980. This was the first year-to-year sales decrease in the canned pineapple industry since 1974.

Figure 6.-- INCOME OR SALES OF MAJOR EXPORT INDUSTRIES: 1970 TO 1981



Prepared by: DPED, Economic Planning Information System
Data Source: Visitor spending: Hawaii Visitors Bureau
Defense expenditures: Reports of services compiled by DPED



Prepared by: DPED, Economic Planning Information System
Data Source: Hawaii Department of Agriculture

Table 25.--DIRECT INCOME OR SALES OF MAJOR EXPORT INDUSTRIES: 1960 TO 1981

[Millions of dollars.]

Year	Visitor expenditures	Defense expenditures	Value of sales	
			Sugar 1/	Pineapple
1960	131	351.4	118.4	119.4
1970	595	639.4	187.8	138.6
1971	705	708.8	202.9	141.4
1972	840	744.2	184.7	145.4
1973	1,020	840.9	222.2	142.4
1974	1,225	897.9	676.6	127.1
1975	1,360	982.9	366.1	136.7
1976	1,640	1,034.2	257.0	144.5
1977	1,845	1,086.6	226.8	161.6
1978	2,146	1,155.5	285.2	162.9
1979	2,537	1,221.7	345.7	206.4
1980	2,875	1,317.4	594.1	223.4
1981 est.	3,200 (p)	1,449.3	325.5	210.0

p Preliminary.

1/ Includes value of molasses.

Source: Hawaii Visitors Bureau; quarterly reports of local commanding officers; Department of Agriculture; Hawaii Sugar Planters' Association; and Bank of Hawaii.

Table 26.-- DEFENSE EXPENDITURES IN HAWAII: 1970 TO 1981 1/

[Millions of dollars.]

Year or quarter	Total	Navy and Marine	Army	Air Force	Coast Guard
1970	639.4	328.7	183.5	114.0	13.2
1975	982.9	469.7	378.3	118.6	16.3
1978	1,155.5	582.3	434.1	117.5	21.6
1979	1,221.7	640.8	429.6	129.3	22.1
1980	1,317.4	711.3	441.8	141.7	22.7
1981	1,449.3	770.4	493.8	158.3	26.7
1980					
1st Q	328.3	178.8	104.5	39.0	6.0
2nd Q	319.5	172.0	108.7	32.6	6.1
3rd Q	337.6	185.4	113.0	34.4	4.8
4th Q	332.0	175.0	115.6	35.6	5.8
1981					
1st Q	341.0 2/	177.6	119.2	38.2	6.0 2/
2nd Q	340.0	180.2	116.8	36.2	6.7
3rd Q (r).	371.5	198.2	126.9	39.8	6.6
4th Q	396.8	214.4	130.9	44.1	7.4
	Percent change from previous year				
1978	6.4	8.9	3.5	6.1	0.5
1979	5.7	10.1	-1.0	10.0	2.3
1980	7.8	11.0	2.8	9.6	2.7
1981	10.0	8.3	11.8	11.7	17.6
	Percent change from corresponding quarter in previous year				
1981					
1st Q	3.9	-0.7	14.1	-2.1	0.0
2nd Q	6.4	4.8	7.5	11.0	9.8
3rd Q	10.0	6.9	12.3	15.7	37.5
4th Q	19.5	22.5	13.2	23.9	27.6

r Revised.

1/ Includes all appropriated expenditures for military and civilian payrolls, services, supplies and construction. Excludes R&R expenditures, dependent allotments, retired military pay and non-appropriated funds for exchanges, clubs, special services, etc.

2/ Estimated in lieu of first quarter report.

Source: Quarterly reports from each branch of service, compiled by DPED.

Table 27.-- VALUE OF PROCESSED SUGAR AND CANNED PINEAPPLE SUBJECT TO STATE EXCISE TAX: 1979 TO 1981 1/

Year	Value of shipments 2/ (millions of dollars)		Percent change from same period in previous year	
	Sugar processing 3/	Pineapple canning	Sugar processing	Pineapple canning
1979	294.1	174.2	(NA)	(NA)
1980	545.3	190.9	85.4	9.6
1981	392.5	169.8	-28.0	-11.1
1981				
1st Q ...	124.2	26.8	47.3	-9.3
2nd Q ...	121.6	50.1	-19.2	-2.2
3rd Q ...	84.4	64.0	-48.2	-11.1
4th Q ...	62.4	28.9	-57.8	-24.3

NA Not available.

1/ These data are compiled for excise tax purposes and for various reasons differ from annual figures in table 25, prepared by the Hawaii Department of Agriculture. These are, however, the only data available on a monthly or quarterly basis and provide an indication of industry trends.

2/ Processed sugar and canned pineapple are taxed at the time the products enter commerce which may be at a different time than the actual sale.

3/ Includes value of molasses.

7. POPULATION

Recent provisional estimates put the State resident population at 968,000 on July 1, 1980, and 981,000 on July 1, 1981 (Table 28). The City and County of Honolulu had 774,000 residents in 1981.

The State's de facto population on July 1, 1981 (the number of persons physically present regardless of usual place of residence), is estimated at 1,066,000, which includes 96,100 visitors but excludes 11,100 absent residents (Table 30).

The median age for the total State population on April 1, 1980, was 28.4--27.7 for males, and 29.1 for females (Table 31).

Table 28.-- RESIDENT POPULATION, BY COUNTIES: 1970 TO 1981

[Includes military personnel and dependents.]

Year 1/	State total	City & Co. of Honolulu	Hawaii County	Kauai County	Maui County
1970 April 1 ..	769,913	630,528	63,468	29,761	46,156
July 1 ...	776,000	634,700	64,500	30,100	46,700
1971	801,000	654,400	67,200	31,100	48,300
1972	828,000	675,700	70,200	31,800	50,300
1973	851,000	693,400	72,900	32,600	52,100
1974	867,000	704,300	75,600	32,800	54,300
1975	884,000	714,300	78,100	34,100	57,500
1976	902,000	726,000	80,600	35,200	60,200
1977	916,000	733,800	83,000	36,200	63,000
1978	929,000	740,300	85,700	37,000	66,000
1979	950,000	754,000	89,000	38,100	68,900
1980 April 1 ..	964,691	762,565	92,053	39,082	70,991
July 1 ...	968,000	764,900	92,600	39,200	71,300
1981	981,000	774,000	95,000	39,400	72,600

1/ July 1 unless otherwise specified.

Source: Hawaii State Department of Planning and Economic Development, The State of Hawaii Data Book 1981, and unpublished provisional estimates by DPED.

Table 29.-- RESIDENT POPULATION, BY MILITARY STATUS: 1970 TO 1981

[Excludes visitors present but includes residents temporarily absent.]

Year 1/	Total resident population	Armed forces	Civilian population		
			All civilians	Military dependents	Not military dependents
1970: April 1 .	769,913	55,142	714,771	61,858	652,913
July 1 ..	776,000	53,200	722,800	57,800	665,000
1971	801,000	50,800	750,200	62,200	688,000
1972	828,000	52,000	776,000	66,200	709,800
1973	851,000	58,100	792,900	70,300	722,600
1974	867,000	57,500	809,500	68,300	741,200
1975	884,000	58,900	825,100	63,700	761,400
1976	902,000	57,800	844,200	67,000	777,200
1977	916,000	56,500	859,500	65,000	794,500
1978	929,000	58,300	870,700	61,100	809,600
1979	950,000	57,900	892,100	64,500	827,600
1980: April 1 .	964,691	61,019	903,672	64,023	839,649
July 1 ..	968,000	61,100	906,800	64,100	842,700
1981	981,000	61,500	919,500	64,300	855,100

1/ As of July 1 unless otherwise specified.

Source: Hawaii State Department of Planning and Economic Development, Preliminary Intercensal Population Estimates, 1970-1980 (Statistical Report 147, July 9, 1981), and unpublished provisional estimates.

Table 30.-- RESIDENT AND DE FACTO POPULATION, BY RESIDENCE STATUS: 1970 TO 1981

Year 1/	Resident population		De facto population 2/	
	Total	Temporarily absent 3/	Total	Visitors present 3/
1970: April 1 ..	769,913	10,300	796,500	36,900
July 1 ...	776,000	10,000	802,900	36,900
1971	801,000	9,400	832,500	40,900
1972	828,000	8,600	869,500	50,100
1973	857,000	9,800	900,700	59,600
1974	867,000	7,800	922,800	63,500
1975	884,000	9,000	941,300	66,300
1976	902,000	9,400	968,100	75,500
1977	916,000	9,000	990,000	83,000
1978	929,000	9,300	1,011,700	92,000
1979	950,000	9,300	1,039,400	98,700
1980: April 1 ..	964,691	9,635	1,052,659	97,603
July 1 ...	968,000	9,600	1,054,900	96,500
1981	981,000	11,100	1,066,000	96,100

1/ As of July 1 unless otherwise specified.

2/ The de facto population is defined as the number of persons physically present in an area, regardless of usual place of residence; it includes visitors present but excludes residents temporarily absent.

3/ Averages for 12-month periods centered on the estimate or census dates.

Source: Hawaii State Department of Planning and Economic Development, Preliminary Intercensal Population Estimates, 1970-1980 (Statistical Report 147, July 9, 1981), and unpublished provisional estimates. Visitors present and residents absent estimated by DPED from data by the Hawaii Visitors Bureau.

Table 31.-- AGE AND SEX OF THE HAWAII POPULATION: 1980

Age	Total	Male	Female
All ages	964,691	494,683	470,008
Under 5 years	77,848	40,004	37,844
5 to 9 years	73,057	37,555	35,502
10 to 14 years	74,870	38,459	36,411
15 to 19 years	86,446	45,673	40,773
20 to 24 years	105,682	59,070	46,612
25 to 29 years	95,287	48,864	46,423
30 to 34 years	84,314	42,990	41,324
35 to 44 years	111,416	56,449	54,967
45 to 54 years	94,444	44,887	49,557
55 to 59 years	47,383	23,502	23,881
60 to 64 years	37,794	18,871	18,923
65 to 74 years	49,375	26,375	23,000
75 to 84 years	21,214	9,973	11,241
85 years and over ..	5,561	2,011	3,550
Under 18 years	275,583	141,516	134,067
18 to 64 years	612,958	314,808	298,150
65 years and over ..	76,150	38,359	37,791
Median age	28.4	27.7	29.1

Source: U.S. Bureau of the Census, Census of Population and Housing, 1980: Summary Tape File 1A, Hawaii (1981).

Table 32.-- RACE BY COUNTIES: 1980

Race 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
All races	964,691	762,565	92,053	39,082	70,991
White	318,770	252,455	31,316	11,147	23,852
Black	17,364	16,843	286	66	169
American Indian	2,655	2,088	315	75	177
Eskimo	68	57	6	1	4
Aleut	45	27	12	2	4
Japanese	239,748	189,828	24,476	9,775	15,669
Chinese	56,285	52,814	1,672	520	1,279
Filipino	133,940	97,565	12,709	10,237	13,429
Korean	17,962	16,880	580	136	366
Asian Indian	604	543	25	12	24
Vietnamese	3,463	3,293	127	5	38
Hawaiian	115,500	80,172	17,274	5,704	12,350
Guamanian	1,677	1,559	68	20	30
Samoan	14,073	13,811	132	33	97
Other	42,537	34,630	3,055	1,349	3,503

1/ By self-identification or race of mother. Because of changes in the classification of persons of mixed race (accounting for 27.3 percent of the 1980 total, according to the Hawaii Health Surveillance Program), these 1980 census results are not comparable either to earlier decennial census findings or to those of the Health Surveillance Program.)

Source: U.S. Bureau of the Census, Census of Population and Housing, 1980: Summary Tape File 1A, Hawaii (1981).

Table 33.-- CURRENT ECONOMIC AND DEMOGRAPHIC TRENDS: STATE OF HAWAII

Series 1/	Unit	Period	Number	Percent change	
				From preceding period	From same period in previous year
Resident population					
State	Persons	July 1, 1981	981,000	-	1.3
City and County of Honolulu	Persons	July 1, 1981	774,000	-	1.2
Hawaii County	Persons	July 1, 1981	95,000	-	2.6
Kauai County	Persons	July 1, 1981	39,400	-	0.5
Maui County	Persons	July 1, 1981	72,600	-	1.8
Income					
Total personal income 2/	$ Million	3rd Q 1981	10,545	13.3	11.3
Per capita income	$	1980	10,101	-	10.6
Consumer price index					
All items	(1967=100)	Feb. 1982	262.2	1.5 3/	7.8
Food prices	(1967=100)	Feb. 1982	296.7	2.5 3/	5.9
Construction, Statewide (p)					
Total private permits - State	$ Million	1st Q 1982 4/	78.6	-34.4	-52.1
Total residential permits	$ Million	1st Q 1982 4/	29.1	8.3	-39.0
New single-family units	Number	1st Q 1982 4/	341	-16.2	-46.7
New multi-family units	Number	1st Q 1982 4/	191	94.9	-13.2
Government contracts awarded	$ Million	1st Q 1982	67.3	-63.1	-38.5
Construction cost indexes					
Single family (p)	(1967=100)	Feb. 1982	298.1	0.6 3/	3.7
High-rise buildings (p)	(1967=100)	Feb. 1982	319.2	0.1 3/	6.9
Employment (p)					
Total civilian labor force	Persons	Feb. 1982	450,250	1.7	1.2
Civilian employment	Persons	Feb. 1982	425,350	1.3	1.3
Civilian unemployment	Persons	Feb. 1982	24,900	-1.0	-1.0
Unemployment rate	Percent	Feb. 1982	5.5	-	-
Total non-agr. jobs	Number	Feb. 1982	402,200	1.1	-0.6
Visitor industry					
Total visitors (p)	Number	1st Q 1982	1,038,511	-	8.3
Westbound (p)	Number	1st Q 1982	803,920	-	9.6
Eastbound (p)	Number	1st Q 1982	234,591	-	3.9
Visitor expenditures (p)	$ Million	1981	3,200	-	11.3
Hotel units (State)	Number	Feb. 1982	57,968	1.3 5/	2.1
Defense expenditures	$ Million	4th Q 1981	396.8	6.8	19.5
Sugar sales	$ Million	1981 est.	325	-	-45.3
Pineapple sales	$ Million	1981 est.	210	-	-6.0

p Preliminary; Q Calendar Quarter; and NA Not available.
1/ Statewide data unless indicated otherwise.
2/ Seasonally adjusted annual rate.
3/ From December 1981.
4/ Excludes Maui County.
5/ From October 1981.

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HAWAII

ECONOMIC RESEARCH REPORTS

QUARTERLY STATISTICAL AND ECONOMIC REPORT
STATE OF HAWAII

Third Quarter 1982

RESEARCH AND ECONOMIC ANALYSIS DIVISION

DEPARTMENT OF PLANNING AND ECONOMIC DEVELOPMENT

QUARTERLY STATISTICAL AND ECONOMIC REPORT
STATE OF HAWAII

Third Quarter 1982

QUARTERLY STATISTICAL AND ECONOMIC REPORT - STATE OF HAWAII

Third Quarter 1982

This quarterly report has been prepared by the Research and Economic Analysis Division of the Department of Planning and Economic Development (DPED). The purpose of the report is to present information and analysis concerning current statistical and economic trends affecting Hawaii. Technical notes and source descriptions have been kept to a minimum. However, the staff of the Research and Economic Analysis Division will be happy to respond to any inquiries of a technical nature that readers may have (548-3062).

The report was prepared under the direction of Dr. Richard Y. P. Joun, Head, Research and Economic Analysis Division, by Robert Shore and Sharon Nishi. The Hawaii econometric forecast was prepared by Tu Duc Pham.

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1. THE ECONOMY -- HIGHLIGHTS AND OUTLOOK

Current Economic Activity: Hawaii and the Nation

Economic activity in Hawaii remained generally subdued through the second quarter of 1982. However, a moderate rebound in tourism to the State that began early in the year continued into the summer months, raising expectations that the State's economy could begin experiencing increases in economic activity later in the year.

The improvement in tourism in 1982 has exceeded expectations (Section 5). For the first five months of 1982, 8.0 percent more visitors arrived in the State than during the same period a year before. Westbound tourism (mainly from the U.S. Mainland and Canada) increased a healthy 9.4 percent in the first five months while eastbound visitor traffic (from the Pacific and Orient areas) increased 3.6 percent.

Yet, among the Neighbor Island counties, only Maui has experienced a substantial increase in tourism in 1982. For the first five months of the year, the number of westbound visitors to Maui increased 12.0 percent over the comparable 1981 period. For Hawaii and Kauai Counties, however, the five-month totals were up a marginal 1.7 percent and 0.7 percent respectively from a year earlier.

Business activity apart from the visitor industry continued to reflect the weakness of the national economy and of the depressed local construction industry. The value of total business transactions in the State subject to the general excise tax (table 17) increased only 1.7 percent during the first quarter of 1982 compared to a year earlier. Although the value of retailing and service industry transactions were up 5.2 percent and 9.1 percent respectively in the first quarter, large declines in sugar processing and construction activity held down the increase in the value of total transactions.

The volume of construction work completed in the State during the first four months of 1982 fell 8.1 percent below the comparable period last year (Section 6). The number of jobs in the construction industry averaged 20,000 during the first five months of 1982, down 12.4 percent from the same period a year earlier. With authorizations for private building construction down 60 percent in the first five months of 1982, declining activity in the construction industry can be expected to continue through 1982 and into 1983. The primary cause of the construction slump is the high cost of borrowing money for mortgages and construction.

The price of raw sugar on the New York spot market edged upward in the second quarter to about 22 cents per pound in July. This brings the price to about the breakeven level for most of Hawaii's producers of sugar, although the New York price may not reflect the actual return Hawaii growers are currently receiving. With the worldwide over supply of sugar continuing, the level of U.S. raw sugar prices are being maintained at current levels primarily through foreign import quotas instituted recently by the Federal government.

Honolulu's consumer price index (CPI-U) in April was just 5.5 percent above the April 1981 level reflecting the slowdown in inflation nationwide.

Nationally, the recession which began in the last quarter of 1981 appeared to bottom out in the second quarter of 1982 but little or no sign of a rebound has occurred. Preliminary U.S. Department of Commerce data indicate that real Gross National Product increased at an annual rate of 1.7 percent in the second quarter. The U.S. unemployment rate rose to 9.5 percent in June and the rate of business failures rose to its highest level since the depression of the 1930s as the high rate of interest on loans continued to inhibit economic growth. The rate of inflation appeared to be accelerating again as the U.S. consumer price index for May increased by a full percentage point, equal to an annual rate of almost 13 percent. For the first five months of the year, the U.S index was up 7.2 percent over the same period of 1981.

Outlook for the U.S. Economy

Most economists expect the U.S. economy to enter a gradual growth phase in the third quarter of 1982. It is not, however, expected that interest rates or unemployment will fall quickly. Table 1 contains the most recent UCLA economic forecast for the nation. While the economy is expected to grow from mid-1982 on, this year, as a whole, will probably show a decline in real GNP over 1981. Assuming the recovery maintains momentum into 1983, that year should show about a 3 percent increase in real GNP and a modest reduction in the prime interest rate from the current 16.0 percent to about 14.5 percent. Unemployment, however, will remain above the 9 percent level in 1983. The UCLA forecast anticipates that the lower rate of inflation achieved in 1982 will continue into 1983, averaging just under 6 percent.

The DPED Economic Forecast for Hawaii

Despite the moderate increase in tourism experienced during the first half of 1982, other sectors of the State's economy will respond only gradually to the visitor industry's renewed growth. Due in large part to the drag on the economy by lower sugar revenue and the construction slump, Hawaii's economy is expected to experience another no-growth year in 1982, with employment remaining at or falling slightly below the 1981 level. Table 2 presents the DPED Economic forecast for Hawaii which assumes a 7 percent increase in visitor arrivals in 1982 (revised upwards from earlier forecasts). Construction is expected to experience a decline in 1982 approaching 20 percent in real terms from the 1981 level.

If the basic expectations for slow but steady growth at the national level in 1983 are realized, Hawaii can expect a modest year of growth with total employment increasing between 2 and 3 percent. With a lower anticipated inflation rate the modest increase in economic activity will resuit in a gain in real personal income of about 3 percent in 1983, compared to a one percent gain expected for this year.

Construction activity is expected to bottom out in 1983 with an upturn beginning late in the year. The value of real construction in 1983 is, however, expected to show a modest 2 percent decline from 1982.

An increase in the number of visitors to Hawaii in 1983 of about 7 percent is anticipated, based on the forecast of a steadily improving national economy in 1983.

Table 1.--SUMMARY OF UCLA ECONOMETRIC FORECAST: 1982 to 1984

Economic Variable	Actual Data								Forecast Data		
	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
GNP AND ITS COMPONENTS											
CONSUMER EXPENDITURES	888.1	976.4	1084.3	1205.5	1348.7	1510.9	1672.7	1857.8	1991.7	2166.0	2348.6
BUSINESS FIXED INVESTMENT	156.6	157.8	174.1	205.5	242.0	279.7	295.9	328.8	319.8	325.8	365.7
RESIDENTIAL CONSTRUCTION	58.0	55.3	72.0	95.8	111.2	118.6	105.3	105.5	98.1	123.7	151.5
INVENTORY INVESTMENT	14.1	-6.9	1.3	21.0	22.2	17.5	-5.9	16.2	-13.4	12.7	28.3
NET EXPORTS	13.4	26.8	13.8	-4.2	-0.6	13.4	23.3	26.0	29.8	29.5	27.9
FEDERAL PURCHASES	111.0	122.7	129.2	143.9	153.3	167.9	198.9	230.2	256.7	276.2	302.3
STATE AND LOCAL PURCHASES	193.1	217.2	232.9	250.6	279.3	305.9	335.8	361.0	378.0	399.4	426.2
GROSS NATIONAL PRODUCT	1434.2	1549.2	1718.0	1918.0	2156.1	2413.9	2626.1	2925.5	3060.6	3333.4	3650.3
REAL GNP (1972 DOLLARS)	1248.0	1233.8	1300.4	1371.6	1436.9	1483.0	1480.7	1510.3	1485.0	1526.5	1590.7
PERSONAL INCOME AND CORPORATE PROFITS											
PERSONAL INCOME	1168.6	1265.0	1391.3	1538.0	1721.8	1943.8	2160.3	2404.1	2574.9	2785.6	3019.4
REAL DISPOSABLE INCOME	858.4	875.8	907.4	939.8	981.5	1011.5	1018.4	1040.4	1060.0	1086.3	1124.1
ANNUAL RATE OF CHANGE	-0.8	2.0	3.6	3.6	4.4	3.1	0.7	2.2	1.9	2.5	3.5
SAVING RATE (%)	8.5	8.6	6.9	5.6	5.2	5.3	5.6	5.3	6.1	5.9	6.0
CORP. PROFITS BEFORE TAX	136.7	132.2	166.3	192.6	223.3	255.3	245.5	233.3	167.4	187.1	222.5
CORP. PROFITS AFTER TAX	85.1	81.5	102.5	120.0	140.3	167.8	163.2	155.6	115.1	126.9	150.9
FOUR QTR. PERCENT CHANGE	11.3	-4.2	27.7	17.1	16.8	20.2	-2.6	-4.3	-25.9	10.4	19.0
MONEY AND INTEREST RATES											
MONEY SUPPLY (M1B)	272.7	285.5	301.8	324.1	350.7	377.6	401.3	429.5	454.3	474.2	496.1
ANNUAL RATE OF CHANGE	5.0	4.7	5.7	7.4	8.2	7.7	6.3	7.0	5.8	4.4	4.6
MONEY SUPPLY (M2)	886.9	971.3	1099.5	1244.5	1354.3	1469.9	1591.6	1747.2	1916.3	2098.3	2284.4
ANNUAL RATE OF CHANGE	6.2	9.5	13.2	13.2	8.8	8.5	8.3	9.8	9.7	9.5	8.9
NEW AAA CORP. RATE (%)	8.96	9.01	8.33	8.06	8.88	9.86	12.47	15.01	14.09	12.55	11.00
FEDERAL FUNDS RATE (%)	10.50	5.82	5.05	5.54	7.93	11.19	13.36	16.38	13.02	12.40	10.79
PRIME RATE (%)	10.80	7.86	6.84	6.82	9.06	12.67	15.27	18.87	15.21	14.51	12.96
PRODUCTION AND OTHER KEY INDICATORS											
INDUSTRIAL PRODUCTION (67=1)	1.293	1.178	1.304	1.381	1.461	1.525	1.470	1.509	1.419	1.499	1.602
ANNUAL RATE OF CHANGE	-0.3	-8.9	10.7	5.9	5.8	4.4	-3.6	2.6	-5.9	5.6	6.9
HOUSING STARTS(MIL. UNITS)	1.332	1.160	1.535	1.962	2.001	1.717	1.298	1.100	0.973	1.222	1.468
RETAIL CAR SALES(MIL UNITS)	8.8	8.5	10.0	11.1	11.2	10.6	9.0	8.6	8.4	9.5	10.2
EMPLOYMENT (MILLIONS)	86.8	85.8	88.8	92.0	96.0	98.8	99.3	100.4	99.6	101.7	104.7
UNEMPLOYMENT RATE (%)	5.6	8.5	7.7	7.0	6.1	5.9	7.2	7.6	9.4	9.1	8.3
FEDERAL BUDGET SURPLUS (NIA)	-11.5	-69.3	-53.1	-46.4	-29.2	-14.8	-61.2	-62.4	-146.6	-139.7	-130.3
PRICES AND WAGES: ANNUAL RATES OF CHANGE											
IMPLICIT PRICE DEFLATOR	8.8	9.2	5.2	5.8	7.3	8.5	9.0	9.2	6.4	5.9	5.1
CONSUMER PRICE INDEX	11.0	9.1	5.7	6.5	7.7	11.3	13.5	10.3	5.7	5.7	5.1
PRODUCER PRICE INDEX	18.8	9.2	4.7	6.1	7.8	12.5	14.1	9.1	2.5	5.3	5.8
HOURLY COMPENSATION INDEX	9.7	9.3	8.1	7.6	8.6	9.7	9.9	10.3	7.5	6.5	6.0
DETAILS OF REAL GNP: ANNUAL RATES OF CHANGE											
CONSUMER EXPENDITURES	-0.6	2.2	5.6	4.9	4.7	2.9	0.5	2.5	1.1	2.6	3.4
BUSINESS FIXED INVESTMENT	-1.7	-12.1	5.3	11.9	9.1	6.5	-3.0	2.5	-6.8	-2.6	7.1
EQUIPMENT	1.5	-12.0	6.2	16.1	8.8	5.5	-4.2	1.3	-7.8	0.1	8.8
STRUCTURES	-7.9	-12.3	3.2	2.7	10.1	8.7	-0.1	5.4	-4.5	-8.3	3.3
RESIDENTIAL CONSTRUCTION	-22.6	-12.5	21.3	18.5	2.9	-5.2	-18.6	-6.1	-11.4	19.1	15.4
EXPORTS	11.5	-4.6	6.3	2.8	12.7	15.2	9.6	-0.4	-5.2	4.2	5.5
IMPORTS	-1.3	-11.5	18.6	7.8	12.8	6.0	-0.1	5.9	-1.3	3.4	4.9
FEDERAL PURCHASES	0.8	0.8	-0.7	4.1	-0.9	1.9	6.4	3.1	4.1	0.1	2.4
STATE AND LOCAL PURCHASES	4.4	2.9	0.5	0.9	3.7	1.2	1.0	-0.9	-2.3	-0.8	0.8
GROSS NATIONAL PRODUCT	-0.6	-1.1	5.4	5.5	4.8	3.2	-0.2	2.0	-1.7	2.8	4.2
FINAL SALES	-0.1	0.3	4.2	5.2	4.7	3.5	0.7	1.3	-0.8	2.0	3.8

Source: UCLA Business Forecasting project, June 1982

Table 2.-- DPED ECONOMIC FORECAST FOR HAWAII: 1982 AND 1983 1/

[Millions of dollars, thousands of jobs.]

Economic variables	Actual data		Forecast data		Percent change		
	1980	1981	1982	1983	80-81	81-82	82-83
Total personal income (CY) 2/							
Current dollars:	9,761.1	10,880.8	11,661.9	12,723.3	11.5	7.2	9.1
Constant 1972 dollars:	5,245.1	5,287.1	5,344.6	5,503.2	0.9	1.1	2.9
Total jobs (CY):	444.4	444.8	444.0	455.4	0.1	-0.2	2.6
Value of construction (CY): (constant 1972 dollars)	701.9	669.2	540.2	528.2	-4.7	-19.3	-2.2
Gen. fund tax revenue (FY) 2/: (current dollars)	947.3	1,037.9	999.4	1,186.3	9.7	-3.7	18.7
Gen. excise and use tax collections (FY) 2/: (current dollars)	498.3	548.9	576.9	630.6	10.2	5.1	9.3

CY: Calendar year FY: State fiscal year beginning July 1 of preceding calendar year.

1/ Key assumptions:

Change in overnight visitor count:	1982; 7.0% / 1983; 7.0%
Change in Honolulu CPI-U:	1982; 6.0% / 1983; 6.0%
Change in sugar tax base sales:	1982; -23.0% / 1983; 0.0%
Change in canned pineapple tax base sales:	1982; 5.0% / 1983; 5.0%

2/ FY 1982 data is actual. FY 1983 forecasts based on the DPED forecasting model. Official forecasts of personal income, general fund revenue and general excise and use tax collections are made by the Hawaii State Council on Revenues.

2. INCOME AND PRICES

Following a trend set at the national level, the rate of increase in the cost of living locally slowed markedly during the first half of 1982 (table 11). The Honolulu consumer price index (CPI-U) in April showed only a 5.5 percent increase over April 1981. The cost of transportation increased the least up, only 3 percent from April 1981, while medical care showed the highest increase, 18 percent from April 1981.

It is hoped that the reduced inflation rate is part of a long-term trend rather than a short-term phenomenon simply brought on by the slack economy. The rate of increase in prices during the second half of 1982, as the U.S. economy moves slowly out of recession, will indicate whether or not inflation is really under control.

The average income of families in Hawaii during 1979 was $27,022 according to sample survey information recently published based on the 1980 census (table 8). About 8 percent or 17,600 families in Hawaii were below Mainland poverty standards (table 9). Families headed by women, although they comprised less than 4 percent of all families, showed a 27 percent poverty rate.

Table 3.-- CHARGES AGAINST GROSS STATE PRODUCT: 1979 AND 1980

[Million of current dollars.]

Charges/income	1979	1980	Percent change
Gross state product	10,706.4	11,467.1	7.1
State income	9,100.4	9,712.5	6.7
Compensation of employees	6,804.6	7,558.3	11.1
Wage and salary disbursements	5,907.8	6,572.6	11.3
Supplements to wages and salaries	896.8	985.7	9.9
Employers' contributions for social insurance	489.4	511.2f	4.5
State programs	81.6	84.5f	3.6
Federal programs	407.7	426.7f	4.7
Other labor income	407.5	474.4	16.4
Proprietors' income	515.0	520.9	1.1
Rental income of person with capital consumption adjustment	118.4	124.8	5.4
Corporate profits before tax	826.6	480.0	-41.9
Profits tax	206.0	219.4f	6.5
State	37.3	42.4f	13.7
Federal	168.7p	176.9f	4.9
Profits after tax	620.6	260.6	-58.0
Dividends	176.2	197.6	12.1
Undistributed profits	444.3p	63.1p	-85.8
Net interest	835.7p	1,028.5p	23.1
Business transfer payments	40.1	44.4	10.7
Indirect business tax and nontax, State and local	822.4	876.0f	6.5
Less: Subsidies less current surplus of government enterprises, State and local	-14.5	-15.7f	-8.3
Indirect business tax and nontax, Federal	51.6	51.7f	0.2
Less: Subsidies less current surplus of government enterprises, Federal	75.9	-89.4f	...
Charges against net state product	10,104.8	10,789.7	6.8
Capital consumption allowances	601.6p	677.5p	12.6

f Fiscal year data.
p Preliminary.

Table 4.-- EXPENDITURES ON GROSS STATE PRODUCT: 1979 AND 1980

[Million of current dollars.]

Expenditures	1979	1980	Percent change
Gross state product	10,706.4	11,467.1	7.1
Personal consumption expenditures	6,621.8	7,723.7	16.6
Goods	4,094.9	4,720.7	15.3
Durable goods	903.4	1,010.6p	11.9
Nondurable goods	3,191.5	3,710.1p	16.2
Services	2,527.0	3,003.0p	18.8
Gross private domestic investment	1,698.9	2,039.9	20.1
Fixed investment	1,543.2	1,859.1	20.5
Nonresidential	1,047.2	1,311.9	25.3
Structures	457.4	676.3	47.9
Producers' durable equipment	589.8p	635.6p	7.8
Residential	496.0	547.2	10.3
Change in inventories	155.7	180.8p	16.1
Government purchases of goods and services	3,400.4	3,593.0	5.7
State and local	1,702.3	1,768.4	3.9
Compensation of employees	854.3	884.1f	3.5
Purchases from business	848.0	884.3f	4.3
Federal	1,698.1	1,824.7	7.5
Defense	1,580.4	1,704.6f	7.9
Nondefense	117.8	120.0f	1.9
Net exports	-1,600.0	-2,059.1	-28.7
Exports	4,518.3	5,127.9	13.5
Commodities (merchandise)	971.3	1,258.7p	29.6
Services and income from investments	998.3	981.0p	-1.7
Visitor and crew expenditures	2,548.6	2,888.2	13.3
Less: imports	6,118.3	7,187.0	17.5
Commodities (merchandise)	4,515.9	5,381.3p	19.2
Services and income from investments	1,231.0p	1,386.0p	12.6
Out-of-State expenditures by Hawaii residents	371.4p	419.7p	13.0
Discrepancy and omissions	585.3p	169.7p	-71.0

f Fiscal year data.
p Preliminary.

Table 5.-- TOTAL PERSONAL INCOME FOR THE UNITED STATES AND HAWAII: 1970 TO 1981

[In millions of dollars.]

Year	Total personal income		Percent increase from previous year	
	United States	Hawaii	United States	Hawaii
1970	803,922	3,566	7.5	14.5
1971	861,904	3,823	7.2	7.2
1972	944,852	4,178	9.6	9.3
1973	1,058,902	4,650	12.1	11.3
1974	1,162,203	5,298	9.8	13.9
1975	1,258,643	5,785	8.3	9.2
1976	1,385,201	6,223	10.1	7.6
1977	1,532,013	6,959	10.6	11.8
1978	1,716,610	7,698	12.1	10.6
1979	1,939,751	8,643	13.0	12.3
1980	2,160,629	9,761	11.4	12.9
1981	2,411,575	10,881	11.6	11.5
1980 1/ 1st Q ..	2,086,232	9,397	12.2	13.6
2nd Q ..	2,114,368	9,568	11.2	13.0
3rd Q ..	2,183,711	9,871	10.9	12.2
4th Q ..	2,258,205	10,209	11.3	13.0
1981 1/ 1st Q ..	2,327,381	10,430	11.6	11.0
2nd Q ..	2,376,157	10,693	12.4	11.8
3rd Q ..	2,449,670	11,020	12.2	11.6
4th Q ..	2,493,092	11,382	10.4	11.5

1/ Seasonally adjusted at annual rates.

Source: U.S. Department of Commerce, Bureau of Economic Analysis, April 1982.

Table 6.-- PER CAPITA PERSONAL INCOME FOR THE UNITED STATES AND HAWAII: 1970 TO 1980

[Dollars.]

Year	Per capita personal income		Annual percent increase	
	United States	Hawaii	United States	Hawaii
1970	3,945	4,674	6.2	11.5
1971	4,167	4,830	5.6	3.3
1972	4,515	5,107	8.4	5.7
1973	5,010	5,524	11.0	8.2
1974	5,448	6,174	8.7	11.8
1975	5,845	6,612	7.3	7.1
1976	6,367	6,973	8.9	5.5
1977	6,971	7,600	9.5	9.0
1978	7,729	8,288	10.9	9.1
1979	8,638	9,098	11.8	9.8
1980	9,511	10,091	10.1	10.9

Source: U.S. Department of Commerce, Bureau of Economic Analysis, April 1981.

Table 7.-- MAJOR SOURCES OF PERSONAL INCOME FOR HAWAII: 1980 AND 1981

[In millions of dollars.]

Total labor and proprietors income	1980	1981	% change
By type:			
Wage & salary	6,573	7,248	10.3
Other labor income	476	526	10.5
Proprietors income	507	542	6.9
By industry:			
Farm	209	226	8.1
Nonfarm	7,346	8,090	10.1
Private	4,998	5,473	9.5
Agricultural services	-	-	-
Mining	-	-	-
Construction	551	559	1.5
Manufacturing	406	448	10.3
Transportation, utilities	708	764	7.9
Wholesale trade	336	367	9.2
Retail trade	868	962	10.8
Finance, insurance, real estate	548	611	11.5
Services	1,546	1,721	11.3
Government	2,348	2,618	11.5
Federal, civilian	655	750	14.5
Federal, military	810	917	13.2
State, local	883	951	7.7
Derivation of personal income:			
Total labor & proprietors income	7,554	8,316	10.1
Less: personal contributions for social insurance	444	519	16.9
Net labor & proprietors income	7,111	7,798	9.7
Plus: dividends, interest, rent	1,446	1,704	17.8
Plus: transfer payments	1,205	1,380	14.5
Total personal income	9,761	10,881	11.5

Source: U.S. Department of Commerce, Bureau of Economic Analysis, printouts dated April 1982.

Table 8.-- TOTAL MONEY INCOME OF HOUSEHOLDS, FAMILIES, AND UNRELATED INDIVIDUALS IN HAWAII: 1979

[Data are estimates based on a sample.]

Income in 1979	Households	Families	Unrelated individuals 15 years old and over
All income levels ..	293,159	225,099	136,200
Under $5,000	25,044	11,341	16,846
$5,000 to $7,499	17,439	11,422	8,580
$7,500 to $9,999	20,452	14,855	17,421
$10,000 to $14,999	40,861	28,866	33,178
$15,000 to $19,999	37,359	28,431	11,957
$20,000 to $24,999	34,102	27,223	21,407
$25,000 to $34,999	52,788	45,205	17,839
$35,000 to $49,999	40,698	36,310	7,492
$50,000 or more	24,416	21,446	1,480
Median income (dollars) .	20,721	23,066	7,026
Mean income (dollars) ...	24,928	27,022	10,267

Source: U.S. Bureau of the Census, 1980 Census of Population and Housing: Supplementary Report (PHC80-S1-1), Provisional Estimates of Social, Economic, and Housing Characteristics, table P-4.

Table 9.-- INCOME AND POVERTY STATUS IN HAWAII: 1979

[Data are estimates based on a sample.]

Item	All income levels	Below current U.S. poverty level 1/	
		Number	Percent
Families	225,099	17,637	7.8
With related children under 18 years	132,746	14,059	10.6
With related children 5 to 17 years	104,595	10,217	9.8
Female householder, no husband	27,476	7,428	27.0
With related children under 18 years	18,981	6,635	35.0
With related children under 6 years	8,089	4,076	50.4
Householder 65 years and over	29,038	2,106	7.3
Unrelated individuals for whom poverty status is determined	109,069	25,256	23.2
65 years and over	15,714	4,981	31.7
Persons for whom poverty status is determined	924,175	92,045	10.0
Related children under 18 years	270,127	34,074	12.6
Related children 5 to 17 years	193,433	21,861	11.3
60 years and over	111,072	11,298	10.2
65 years and over	72,626	8,668	11.9

1/ Based on 1979 income thresholds varying by size of family, number of children, and age of family householder or unrelated individuals. The poverty threshold for a U.S. family of four was $7,412 in 1979.

Source: U.S. Bureau of the Census, 1980 Census of Population and Housing Supplementary Report (PHC80-S1-1), Provisional Estimates of Social, Economic, and Housing Characteristics, table P-4.

Table 10.-- COMPARATIVE FAMILY BUDGETS FOR HONOLULU: 1970 TO 1981

Type of family and date	Cost of budget (dollars)			Percent of U.S. urban average		
	Lower budget	Intermediate budget	Higher budget	Lower budget	Intermediate budget	Higher budget
URBAN FAMILY OF FOUR PERSONS						
1970: Spring ..	8,597	12,776	19,311	124	120	125
1975: Autumn ..	12,226	18,694	28,302	128	122	127
1976: Autumn ..	12,711	19,633	30,086	127	121	127
1977: Autumn ..	13,280	20,883	31,897	127	122	127
1978: Autumn ..	14,870	23,099	35,602	129	124	130
1979: Autumn ..	16,507	25,799	39,689	131	126	131
1980: Autumn ..	18,480	28,488	44,396	132	123	129
1981: Autumn ..	20,319	31,893	50,317	133	126	132
RETIRED COUPLE						
1970: Spring ..	3,562	5,166	8,312	115	115	117
1975: Autumn ..	5,168	7,339	10,726	115	114	112
1976: Autumn ..	5,397	7,691	11,318	115	114	113
1977: Autumn ..	5,711	8,107	11,882	114	113	111
1978: Autumn ..	6,357	8,987	13,085	115	115	113
1979: Autumn ..	7,040	9,972	14,508	117	116	115
1980: Autumn ..	7,776	10,979	15,889	117	116	114

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Table 11.-- CONSUMER PRICE INDEX, ALL URBAN CONSUMERS (CPI-U) FOR SELECTED ITEMS FOR HONOLULU: 1978 TO 1982

[1967=100.]

Month and year	All items	Food	Housing	Apparel and upkeep	Trans-portation	Medical care
1978	184.1	212.8	171.7	161.3	170.4	221.0
1979	204.6	239.8	192.7	171.7	189.5	238.7
1980	228.5	259.9	216.6	183.9	223.6	258.6
1981	252.4	285.8	240.3	193.4	247.1	289.4
1980						
February	220.9	251.7	208.9	180.5	215.7	247.3
April	227.4	256.1	217.8	181.2	221.5	257.1
June	227.5	256.7	216.6	181.5	222.5	256.8
August	230.1	262.9	216.5	187.5	227.6	262.2
October	234.6	267.1	222.0	188.3	229.3	267.3
December	236.1	271.1	223.0	187.5	231.5	266.5
1981						
February	243.3	280.3	229.8	190.8	239.9	272.0
April	250.0	284.8	238.9	190.5	244.7	280.6
June	252.8	286.2	242.0	190.2	247.7	286.9
August	256.6	288.4	245.6	193.7	250.9	297.6
October	259.3	290.6	246.7	199.7	252.1	303.7
December	258.3	289.4	244.1	198.2	253.9	305.8
1982						
February	262.2	296.7	248.0	199.4	253.2	310.8
April	263.8	296.5	249.1	201.0	252.0	332.0
Percent increase:						
1980 to 1981 .	10.5	10.0	10.9	5.2	10.5	11.9
April 1981 to April 1982 .	5.5	4.1	4.3	5.5	3.0	18.3

p Preliminary.
Source: U.S. Department of Labor, Bureau of Labor Statistics.

3. EMPLOYMENT

Employment in Hawaii's economy continued to lag slightly behind the previous year's level during the first half of 1982, although a rebound in employment has occurred in the hotel industry. Overall, the number of jobs in the State in the first five months of 1982 fell 0.9 percent below the level for the comparable 1981 period (table 12). Almost all sectors of the economy reflected the overall slight decline in jobs from the year before with the exception of hotel services, where the number of jobs increased 7.1 percent. This gain is consistent with the moderate increase in tourism Hawaii has experienced since the beginning of the year.

Hawaii's unemployment rate averaged 5.9 percent during the first five months of 1982 and reached 6.4 percent in May (table 15). The leading cause of the higher unemployment this year has been the decline in construction activity. Almost 4,800 construction workers were receiving unemployment insurance during the first quarter of 1982 compared to about 3,000 in the same quarter a year earlier (table 16).

Table 12.-- NUMBER OF JOBS BY INDUSTRY: 1981 AND 1982

Series	1981 Jan.-Dec.	1982 Jan.-May (p)	Percent change from previous year: 1981 Jan.-Dec.	Percent change from previous year: 1982 Jan.-May (p)
Non-agricultural jobs	404,650	401,800	-0.1	-0.9
Construction	22,300	20,000	-6.9	-12.4
Manufacturing	23,150	22,200	-3.3	-2.6
Food processing	11,250	10,450	-4.7	-4.2
Transp., commun., utilities ...	31,350	30,500	0.5	-2.9
Trade	105,550	104,600	0.3	-0.8
Wholesale	18,500	18,200	-0.5	-1.5
Retail	87,050	86,400	0.4	-0.7
Finance, insur., & real estate	32,150	32,300	-2.1	0.9
Services	101,100	101,750	2.7	0.5
Hotels	24,650	26,450	-1.0	7.1
Government	89,000	90,550	-0.1	0.8
Federal	30,350	31,100	1.2	3.7
State	45,250	47,100	0.2	-0.1
Local	13,350	12,350	-4.0	-3.1
Agriculture (wage & salary)	11,450	10,100	8.5	-2.3
Sugar	5,100	4,450	5.2	-7.7
Pineapple	2,450	2,050	-2.0	8.9
Diversified agriculture	3,950	3,550	23.4	-1.7
Non-agricultural self-employed 1/	24,350	25,050	-0.8	4.1
Agricultural self-employed 1/ ...	4,350	4,100	-3.3	-5.3

p Preliminary.
1/ Self-employed includes unpaid family workers and domestics.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 13.-- NON-AGRICULTURAL JOBS BY COUNTY: 1975 TO 1982

Year	State	City & County of Honolulu	Hawaii County	Maui County	Kauai County
1975	342,800	287,450	24,350	19,450	11,600
1978	377,300	312,550	26,550	24,550	13,650
1979	394,100	325,750	27,650	26,450	14,250
1980	404,250	333,200	28,300	28,050	14,700
1981	403,700	333,250	28,250	27,650	14,650
1981					
1st Q	404,350	333,900	28,550	27,350	14,500
2nd Q	405,250	335,500	28,100	27,400	14,300
3rd Q	402,250	331,850	28,300	27,650	14,400
4th Q	403,050	331,650	27,950	28,200	15,250
1982					
1st Q (p) .	401,100	328,600	28,150	29,100	15,250
Jan-May (p)	401,800	329,400	28,050	29,250	15,100
	Percent change from same period in previous year				
1979	4.4	4.2	4.0	7.7	4.5
1980	2.6	2.3	2.5	6.1	3.1
1981	-0.1	0.0	0.3	-1.4	-0.5
1981					
1st Q	0.3	0.4	1.7	-1.1	-1.0
2nd Q	-0.5	-0.1	-0.3	-3.4	-2.5
3rd Q	-0.1	0.2	0.0	-2.2	-2.6
4th Q	-0.3	-0.4	-2.6	1.1	4.2
1982					
1st Q (p) .	-0.9	-1.2	-1.1	2.0	-0.3
Jan-May (p)	-0.9	-1.2	-1.0	2.6	-0.9

p Preliminary.

Source: Hawaii State Department of Labor and Industrial Relations.

Table 14.-- CIVILIAN LABOR FORCE AND EMPLOYMENT BY COUNTY: 1970 TO 1982

[Persons.]

Subject and year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Civilian labor force					
1970	321,550	258,900	28,300	13,650	20,700
1975	382,950	304,200	34,600	16,300	27,800
1976 (r)	409,050	323,950	37,000	17,750	30,350
1977 (r)	419,050	330,500	37,850	18,550	32,150
1978 (r)	417,000	328,150	37,400	18,350	33,100
1979 (r)	420,000	330,150	37,250	18,500	34,100
1980 (r)	438,000	338,900	41,850	20,000	37,250
1981 (r)	449,000	346,200	43,350	20,600	38,850
1st Q	442,900	342,150	42,550	20,250	37,950
2nd Q	452,350	349,350	43,050	20,600	39,350
3rd Q	451,700	347,100	44,000	20,800	39,800
4th Q	449,150	346,300	43,850	20,700	38,300
1982					
1st Q	448,850	346,050	42,950	20,800	39,100
Jan-May (p)	449,850	346,800	42,950	20,650	39,500
Civilian employment					
1970	305,650	246,400	27,050	12,950	19,250
1975	351,100	280,050	31,150	14,800	25,050
1976 (r)	368,950	292,950	32,800	16,050	27,150
1977 (r)	388,000	306,500	34,350	17,350	29,800
1978 (r)	385,050	303,600	33,700	17,100	30,650
1979 (r)	394,000	310,300	34,250	17,450	32,000
1980 (r)	416,950	323,500	39,150	19,050	35,250
1981 (r)	425,000	329,100	39,950	19,400	36,550
1st Q	421,050	326,500	39,500	19,250	35,800
2nd Q	427,950	332,000	39,550	19,350	37,050
3rd Q	426,700	329,250	40,550	19,500	37,400
4th Q	424,400	328,700	40,300	19,400	36,000
1982					
1st Q	423,450	328,050	39,450	19,350	36,600
Jan-May (p)	423,450	328,100	39,250	19,150	36,950

r Recently revised; p Preliminary.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 15.-- CIVILIAN UNEMPLOYED AND UNEMPLOYMENT RATE BY COUNTY: 1970 TO 1982

Subject and year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
Civilian unemployed (persons)					
1970	15,900	12,500	1,250	700	1,450
1975	31,850	24,200	3,450	1,500	2,750
1976 (r)	40,000	30,950	4,200	1,650	3,200
1977 (r)	30,950	23,950	3,450	1,200	2,350
1978 (r)	32,000	24,550	3,750	1,250	2,450
1979 (r)	26,000	19,900	2,950	1,050	2,100
1980 (r)	21,050	15,400	2,700	950	2,000
1981 (r)	24,000	17,100	3,400	1,200	2,300
1st Q	21,850	15,650	3,100	1,000	2,100
2nd Q	24,400	17,350	3,500	1,250	2,300
3rd Q	25,000	17,850	3,450	1,300	2,400
4th Q	24,800	17,600	3,550	1,300	2,350
1982					
1st Q	25,350	18,000	3,500	1,400	2,450
Jan-May (p)	26,450	18,700	3,700	1,500	2,500
Unemployment rate (percent)					
1970	4.9	4.8	4.4	5.2	7.0
1975	8.3	8.0	9.9	9.1	9.8
1976 (r)	9.8	9.6	11.3	9.4	10.5
1977 (r)	7.4	7.3	9.2	6.5	7.4
1978 (r)	7.7	7.5	10.0	6.8	7.5
1979 (r)	6.2	6.0	8.0	5.6	6.2
1980 (r)	4.8	4.5	6.4	4.6	5.3
1981 (r)	5.3	4.9	7.8	5.9	5.9
1st Q	4.9	4.6	7.3	4.9	5.5
2nd Q	5.4	5.0	8.1	6.1	5.8
3rd Q	5.5	5.1	7.8	6.2	6.0
4th Q	5.5	5.1	8.1	6.3	6.1
1982					
1st Q	5.6	5.2	8.1	6.7	6.3
Jan-May (p)	5.9	5.4	8.7	7.2	6.4

r Recently revised; p Preliminary.
Source: Hawaii State Department of Labor and Industrial Relations.

Table 16.-- CHARACTERISTICS OF THE INSURED UNEMPLOYED IN HAWAII: 1980 TO 1982

Industry	1980	1981					1982
		Annual average	1st Q	2nd Q	3rd Q	4th Q	1st Q
Total	10,279	11,600	10,742	11,015	11,946	12,700	13,672
State government	799	936	655	985	1,403	702	443
County government	127	130	151	129	125	113	127
Agriculture	428	404	413	385	338	479	772
Construction	2,667	3,484	2,986	2,986	3,436	4,015	4,751
Manufacturing	1,217	1,083	1,268	706	884	1,474	1,642
Food processing	691	596	799	248	398	936	1,164
Trans., comm., util. ..	725	805	771	769	804	879	1,058
Trades	1,775	2,077	1,902	1,992	2,133	2,280	2,295
Fin., ins., real estate	491	541	517	466	532	665	621
Services	1,986	2,089	2,007	2,111	2,187	2,042	1,913
Hotel	512	571	573	626	537	556	406
All others	64	51	72	48	36	51	50

Source: State Department of Labor and Industrial Relations, Characteristics of the Insured Unemployed in Hawaii.

4. BUSINESS ACTIVITY AND TAX REVENUES

Business transactions in Hawaii subject to general excise tax increased only 1.7 percent in the first quarter of 1982 from the same quarter in 1981. However, as indicated in table 17, retailing and services where most transactions occur, maintained a 5 to 9 percent increase from the first quarter of 1981. Declines in the value of raw sugar sales and wholesaling transactions were the primary reasons for the low overall increase in business transactions.

The collection of State general excise taxes during the first four months of 1982 showed a 3.1 percent increase over the same period in 1981 (table 18). Collections of individual and corporate income taxes showed a decline from the prevous year but this reflects both the volatility of net collections during tax season and the payment of larger than normal refunds due to the $100 per person tax credit on 1981 returns. As the year progresses, individual and corporate income tax collections should begin to show gains over 1981 levels.

Table 17.-- VALUE OF BUSINESS TRANSACTIONS IN HAWAII SUBJECT TO STATE EXCISE AND USE TAX: 1980 TO 1982 1/

[Millions of dollars.]

Year	Total taxable transactions	Selected industry transactions				
		Retailing	Services	Hotel rental	Diversified agriculture	Manufacturing
1980	18,966.2	6,075.5	1,750.1	720.7	141.3	620.1
1981	20,903.8	6,688.1	1,792.1	759.4	176.6	615.9
1980						
1st Q	4,710.9	1,567.4	409.3	210.8	22.0	162.8
2nd Q	4,825.2	1,530.2	467.3	174.5	42.5	149.9
3rd Q	4,967.3	1,519.2	485.2	189.1	36.4	173.8
4th Q	4,462.8	1,458.7	388.2	146.2	40.4	133.5
1981						
1st Q	5,122.0	1,706.3	447.6	200.6	39.8	148.7
2nd Q	6,042.0	1,772.0	501.5	220.6	55.1	191.8
3rd Q	5,053.3	1,674.3	438.7	182.2	39.7	152.7
4th Q	4,689.0	1,538.1	404.2	156.0	38.7	122.6
1982						
1st Q	5,210.7	1,794.9	488.3	244.7	50.5	149.9
	Percent change from previous year					
1981	10.2	10.1	2.4	5.4	25.0	-0.7
	Percent change from same period in previous year					
1980						
1st Q	23.0	16.9	22.6	27.0	-45.3	55.4
2nd Q	5.5	10.3	21.3	-11.2	3.4	-8.5
3rd Q	7.4	6.8	32.1	14.3	-0.6	8.7
4th Q	6.1	6.1	16.2	11.4	5.7	-8.0
1981						
1st Q	8.7	8.7	9.4	-4.9	80.9	-8.6
2nd Q	25.2	15.9	7.3	26.4	29.6	27.9
3rd Q	1.7	10.3	-9.6	-3.7	9.2	-12.2
4th Q	5.1	5.4	4.1	6.7	-4.3	-8.1
1982						
1st Q	1.7	5.2	9.1	22.0	26.9	0.8

1/ Data lagged one month to account for reporting delay.
Source: Hawaii Department of Taxation.

Table 18.-- COLLECTIONS OF KEY STATE TAXES AND GENERAL FUND TAX REVENUES: CALENDAR YEARS 1970 TO 1982

[Thousands of dollars.]

Year	General excise and use tax	Net individual income tax 1/	Net corporate income tax 2/	Tax revenues distributed to State general fund 3/
1970	172,289	112,019	13,241	337,216
1975	301,475	178,922	37,310	585,701
1978	392,236	239,587	25,597	749,216
1979	466,535	287,162	37,774	890,434
1980	527,304	335,850	43,913	1,008,750
1981	575,216	349,643	43,595	1,070,895
1981 1st Q	134,737	83,224	10,042	244,361
2nd Q	152,233	81,655	20,354	294,415
3rd Q	147,969	92,788	9,705	270,951
4th Q	140,278	91,975	2,847	261,168
1982 1st Q	141,147	85,670	10,512	248,406
2nd Q	147,532	12,508	15,603	218,902
	Percent change from previous year			
1978	11.4	12.9	11.2	11.5
1979	18.9	19.9	47.6	18.8
1980	13.0	16.9	16.3	13.3
1981	9.1	4.2	-0.7	6.1
	Percent change from corresponding period in previous year			
1981 1st Q	5.2	-2.1	-6.7	2.0
2nd Q	10.9	0.8	22.7	9.0
3rd Q	11.9	10.4	-19.7	6.3
4th Q	8.1	7.4	-36.3	7.0
1982 1st Q	4.8	2.9	4.7	1.7
2nd Q	-3.1	-84.7	-23.3	-25.6

1/ Declaration of estimated taxes, plus payments with returns, plus withholding tax on wages, less refunds.

2/ Declaration of estimated taxes, plus payments with returns, less refunds.

3/ Excludes non-tax sources.

Source: Hawaii State Department of Taxation.

5. THE VISITOR INDUSTRY

Tourism to Hawaii in 1982 is exceeding all expectations. Through May of this year, 8.0 percent more visitors arrived in the State than in the comparable period a year before (table 13). Westbound visitor traffic (mainly from the Mainland U.S. and Canada) increased 9.4 percent over the first five months of 1981, while eastbound visitors (from the Orient and Pacific areas) increased 3.6 percent in number.

Each of the three Neighbor Islands have experienced increases in westbound tourism during the first five months of 1982 (table 20). Although Maui was the clear favorite among visitors, Maui County's visitor count rose 12.0 percent over the first five months of 1981 compared to a modest 1.7 percent increase for Hawaii County and an even smaller 0.7 percent increase for Kauai during the same period. If this pattern continues for the remainder of the year, Maui County will have gained back all the tourism volume lost during the previous two years of decline.

Table 19.-- OVERNIGHT VISITORS AND AVERAGE DAILY VISITOR CENSUS: 1970 TO 1982

Year	Overnight and longer visitors			Average number present	
	Total	Westbound	Eastbound	Westbound	All
1970	1,746,970	1,326,135	420,835	32,028	36,943
1975	2,829,105	2,207,417	621,688	59,495	66,308
1978	3,670,309	3,030,999	639,310	85,028	92,034
1979	3,960,531	3,139,455	821,076	89,678	98,676
1980	3,934,504	3,046,132	888,372	86,788	96,497
1981	3,934,623	2,974,791	959,832	85,163	95,496
1980 1st Q	1,004,830	791,550	213,280	94,968	104,447
2nd Q	942,853	720,919	221,934	77,936	87,800
3rd Q	1,047,282	816,583	230,699	94,241	104,494
4th Q	939,539	717,080	222,459	79,742	89,629
1981 1st Q	959,041	733,191	225,850	90,639	100,677
2nd Q	984,474	740,237	244,237	79,871	90,726
3rd Q	1,042,330	791,378	250,952	91,036	101,980
4th Q	948,778	709,985	238,793	79,211	89,279
1982 1st Q	1,054,042	827,977	226,065	104,790	116,093
Jan-May (p) ..	1,717,826	1,313,565	402,261	92,210	104,198
	Percent change from previous year				
1978	6.9	9.7	-4.6	12.3	10.8
1979	7.9	3.6	28.4	5.5	7.2
1980	-0.7	-3.0	8.2	-3.2	-2.2
1981	0.0	-2.3	8.0	-1.9	-1.0
	Percent change from corresponding period in previous year				
1981 1st Q	-4.6	-7.4	5.9	-4.6	-3.6
2nd Q	4.4	2.7	10.0	2.5	3.3
3rd Q	-0.5	-3.1	8.8	-3.4	-2.4
4th Q	1.0	-1.0	7.3	-0.7	-0.4
1982 1st Q	9.9	12.9	0.1	15.6	15.3
Jan-May (p) ..	8.0	9.4	3.6	8.9	7.8

p Preliminary
Source: Hawaii Visitors Bureau.

Table 20.-- WESTBOUND VISITORS TO THE NEIGHBOR ISLANDS: 1970 TO 1982

Year	Westbound visitors to Neighbor Islands		
	Hawaii	Maui	Kauai
1970	445,401	447,985	410,075
1975	769,779	931,863	632,821
1978	908,983	1,403,054	837,712
1979	860,940	1,419,773	825,366
1980	761,103	1,378,189	781,409
1981	648,382	1,344,278	730,963
1980: 1st Q	208,235	362,912	194,590
2nd Q	183,462	326,217	192,166
3rd Q	201,976	370,230	218,068
4th Q	167,430	318,830	176,585
1981: 1st Q	165,947	351,267	174,195
2nd Q	156,442	332,922	188,584
3rd Q	167,839	344,767	195,853
4th Q	158,154	315,322	172,331
1982: 1st Q	171,948	400,099	182,216
Jan-May (p) ..	266,496	630,691	295,720
	Percent change from previous year		
1978	8.3	11.6	13.1
1979	-5.3	1.2	-1.5
1980	-12.0	-3.0	-5.3
1981	-14.8	-2.5	-6.5
	Percent change from corresponding period in previous year		
1981: 1st Q	-20.3	-3.2	-10.5
2nd Q	-14.7	2.1	-1.9
3rd Q	-16.9	-6.9	-10.2
4th Q	-5.5	-1.1	-2.4
1982: 1st Q	3.6	13.9	4.6
Jan-May (p) .	1.7	12.0	0.7

p Preliminary
Source: Hawaii Visitors Bureau.

Table 21.-- ESTIMATES OF OVERNIGHT AND LONGER VISITORS TO HAWAII BY NATIONAL ORIGIN: 1978 TO 1981

Geographic area	Number and percent distribution							
	1978	% dist.	1979	% dist.	1980	% dist.	1981	% dist.
Total	3,670,000	100.0	3,960,000	100.0	3,935,000	100.0	3,935,000	100.0
United States	2,457,000	66.9	2,560,000	64.6	2,456,000	62.4	2,314,000	58.8
Asia	603,000	16.4	747,800	18.9	817,500	20.8	878,000	22.3
Japan	524,000	14.3	653,600	16.5	658,100	16.7	690,400	17.5
Canada	358,000	9.8	348,600	8.8	331,800	8.4	291,000	7.4
Oceania and South Pacific	172,000	4.7	216,200	5.5	230,100	5.9	252,000	6.4
Australia	130,000	3.5	159,600	4.0	164,100	4.2	171,900	4.4
New Zealand	32,000	0.9	45,800	1.2	57,300	1.5	68,500	1.7
Europe	61,000	1.7	67,000	1.7	80,200	2.0	169,000	4.3
United Kingdom	27,000	0.7	29,600	0.7	46,900	1.2	96,200	2.4
Germany	13,000	0.4	16,400	0.4	17,600	0.4	28,900	0.7
South America	17,000	0.4	16,900	0.4	14,900	0 4	28,000	0.7
Other	2,000	0.1	3,500	0.1	4,500	0.1	3,000	0.1

Source: Hawaii Visitors Bureau.

Table 22.-- HOTEL OCCUPANCY RATES BY AREA: 1970 TO 1982

[Survey does not include some large hotel chains.]

Date	Waikiki	Hawaii	Kauai	Maui
Annual average:				
1970	74.1	68.3	58.0	66.7
1975	78.3	59.9	77.2	72.3
1978	82.1	65.0	83.3	80.4
1979	77.1	62.0	76.5	73.0
1980	71.7	52.7	69.0	66.2
1981	73.9	44.9	62.7	70.3
1981				
January	69.9	37.1	60.6	65.7
February	84.5	57.5	73.3	84.4
March	75.0	47.0	70.5	79.3
April	69.8	43.3	65.7	69.7
May	70.4	41.4	69.7	72.0
June	75.7	41.7	64.7	65.7
July	73.2	49.9	64.6	65.4
August	82.2	50.5	65.5	77.0
September	75.9	41.9	59.5	62.7
October	70.7	46.3	63.1	75.5
November	68.9	44.5	51.7	66.8
December	70.5	37.9	50.6	59.2
1982				
January	76.5	36.7	50.4	66.6
February	94.2	59.8	70.1	89.3
March	93.6	51.3	68.2	89.2
April	74.3	42.0	55.9	74.6
May	66.9	38.9	54.7	64.3

NA Not available.

Source: Hawaii Visitors Bureau; Panell, Kerr, Forster and Company from 1981.

Table 23.-- HOTEL UNITS, EXISTING AND PLANNED: 1970 TO 1982

Year 1/	State total	Oahu		County of Hawaii	County of Kauai	County of Maui 2/
		Oahu total	Waikiki			
1970	30,323	21,217	18,452	3,486	2,609	3,011
1976	44,093	27,099	23,358	5,887	3,711	7,396
1977	46,048	28,083	24,576	6,013	3,603	8,349
1978	48,790	29,294	25,585	6,105	4,162	9,229
1979	51,782	32,088	28,142	5,979	4,107	9,608
1980	55,700	34,173	30,293	6,299	4,707	10,521
1981	57,239	33,480	28,986	7,219	5,221	11,319
1982 (February)	57,968	33,492	29,047	7,167	5,147	12,162
Planned completion 3/ (as of February 1982)						
1982	1,872	1,061	1,061	401	110	300
1983	1,040	425	425	0	350	265
Indefinite	3,786	500	0	1,700	386	1,200
Total	6,698	1,986	1,486	2,101	846	1,765

1/ As of October unless otherwise specified.

2/ Includes the Islands of Maui, Molokai, and Lanai.

3/ In addition to planned hotel and condominium units reported in this table, other condominium units are under construction or planned but the estimated number of rental units to be available for visitors has not yet been determined. These units number 1,536 in Waikiki, 3,005 in Hawaii County, 1,876 in Kauai County, and 4,997 in Maui County, for a State total of 11,414.

Source: Hawaii Visitors Bureau, Visitor Plant Inventory.

Table 24.-- AVERAGE DAILY HOTEL ROOM RATES, BY ISLANDS: 1970 TO 1981

[Dollars.]

Year	State	Oahu	Hawaii	Maui	Kauai
1970	25.74	-	-	-	-
1975	29.75	-	-	-	-
1976	29.54	26.70	30.52	37.61	34.51
1977	34.28	31.87	33.08	42.59	38.45
1978	38.56	35.90	36.70	47.86	42.25
1979	44.40	41.42	41.44	57.15	47.75
1980	47.37	42.70	46.40	61.34	55.16
1981	49.73	43.05	47.16	73.27	56.06
Increase (%) 1976-1981 ...	68.4	61.2	54.5	94.8	62.5

Source: Panell Kerr Forster & Company, Trends in the Hotel Industry, Hawaii.

6. CONSTRUCTION AND HOUSING

The value of construction completed in the State during the first four months of 1982 was 8.1 percent below the value of the same period a year earlier (table 25). The value of authorizations for new residential building construction during the first five months of the year declined 73 percent below the same 1981 period. Authorizations for commercial construction declined 54 percent in the first five months of 1982 while authorizations for additions and alterations fell 26 percent.

The only bright spot for construction this year has been in the volume of government contracts awarded which have continued to increase in value during 1982 after posting large gains in 1981 (table 27). The value of contracts totaled $165 million during the first 5 months of 1982, almost 29 percent more than in the same period a year before although this does not take into account increases in construction costs. Close to 30 percent of the government total for the first five months of 1982 was represented by a $47.2 million award for construction of the new deep draft harbor at Barber's Point in the Ewa district of Oahu.

Table 25.-- ESTIMATED VALUE OF COMPLETED CONSTRUCTION, NEW BUILDING AUTHORIZATIONS AND GOVERNMENT CONTRACTS AWARDED: 1970 TO 1982

[Millions of dollars.]

Year	Value of construction completed 1/	Private building authorizations				Government contracts awarded
		Total private authorization	Residential	Commercial and industrial 2/	Additions and alterations	
1970	783.8	447.2	212.5	184.5	50.2	176.2
1975	1,140.0	610.6	343.3	187.2	80.1	450.3
1980	1,569.7	1,219.2	680.2	331.5	207.5	230.6
1981	1,584.7	802.0	398.3	240.8	162.9	427.5
1981 1st Q ...	382.4	227.2	102.9	81.2	43.1	109.4
2nd Q ...	432.8	266.0	180.9	50.3	34.8	51.7
3rd Q ...	416.7	169.3	70.9	46.3	52.1	84.0
4th Q ...	352.7	139.5	43.6	63.0	32.9	182.4
1982 1st Q ...	358.9	3/ 85.5	33.4	27.0	25.1	67.3
Year-to-date 4/	468.9	3/ 167.8	64.8	56.3	46.7	165.0
	Percent change from corresponding period in previous year					
1980	16.9	39.3	27.1	53.8	67.2	-40.7
1981	1.0	-34.2	-41.4	-27.4	-21.5	85.4
1981 1st Q ...	0.4	-4.5	-16.7	31.6	-18.2	159.9
2nd Q ...	5.8	18.3	51.9	-20.4	-18.3	89.4
3rd Q ...	-0.6	-50.3	-70.5	-26.9	39.7	-18.4
4th Q ...	-2.3	-66.4	-77.9	-56.0	-56.0	212.9
1982 1st Q ...	-6.1	3/ -61.7	-66.9	-66.7	-39.0	-38.5
Year-to-date 4/	-8.1	3/ -60.2	-73.3	-53.5	-25.9	28.7

NA Not available.

1/ Value of construction subject to State excise tax (data lagged one month to account for reporting delays).

2/ Includes hotels.

3/ Private authorizations include only January and February data for Maui because of late reporting.

Source: Hawaii Department of Taxation; County Building Departments; Trade Publishing Co., Building Industry Digest: BID Service Weekly.

4/ January through April data for value of construction completed, all other data January through May.

Table 26.-- ESTIMATED VALUE OF PRIVATE BUILDING CONSTRUCTION AUTHORIZATIONS BY COUNTY: 1970 TO 1982

[Millions of dollars.]

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	447.2	322.3	48.6	35.7	40.7
1975	610.6	407.1	49.7	36.1	117.7
1978	672.4	370.6	74.4	58.5	168.9
1979	874.9	501.4	112.2	113.8	147.5
1980	1,219.2	686.3	146.0	133.3	253.7
1981	802.0	454.1	136.5	67.7	139.6
1981 1st Q ...	227.2	93.2	53.9	17.1	62.9
2nd Q ...	266.0	190.5	17.5	18.6	39.5
3rd Q ...	169.3	90.6	47.0	14.3	17.5
4th Q ...	139.5	79.9	18.2	17.7	19.7
1982 1st Q 1/	85.5	50.3	13.7	14.6	6.9
Jan.-May 1/	167.9	99.6	40.1	21.3	6.9
	Percent change from previous year				
1978	44.0	18.6	21.4	108.9	125.8
1979	30.1	35.3	50.8	94.5	-12.7
1980	39.4	36.9	30.1	17.1	72.0
1981	-34.2	-33.8	-6.5	-49.2	-45.0
	Percent change from corresponding period in previous year				
1981 1st Q ...	-4.5	-14.7	25.9	-50.2	21.9
2nd Q ...	18.3	42.6	-39.5	93.0	-25.3
3rd Q ...	-50.3	-32.0	-1.3	-73.0	-83.6
4th Q ...	-66.4	-74.2	-32.1	-51.2	-53.6
1982 1st Q 1/	-61.7	-46.0	-74.6	-15.1	-88.3
Jan.-May 1/	-60.2	-61.7	-40.2	-32.0	-88.3

NA Not available.

1/ Authorizations included Maui figures only for January and February because of late reporting.

Source: County building departments.

Table 27.-- ESTIMATED VALUE OF GOVERNMENT CONTRACTS AWARDED: 1970 TO 1982

[Millions of dollars.]

	Total	Federal	State	Local
1970	176.2	34.5	107.8	33.9
1975	450.2	94.5	227.8	127.9
1980	230.6	66.5	120.0	44.1
1981	427.5	176.1	180.5	70.9
1st Q	109.4	20.7	74.2	14.5
2nd Q	51.7	17.3	25.9	8.5
3rd Q	84.0	15.4	34.6	34.1
4th Q	182.4	122.8 1/	45.9	13.7
1982				
1st Q	67.3	21.2	27.7	18.3
Jan.-May	165.0	90.7 2/	47.6	26.7
	Percent change from corresponding period in previous year			
1980	-40.7	-37.1	-45.7	-28.8
1981	85.4	164.8	50.5	60.6
1st Q	159.8	81.2	291.8	23.7
2nd Q	89.4	116.4	103.2	29.8
3rd Q	-18.3	5.7	-51.4	98.4
4th Q	212.7	277.4	167.4	59.2
1982				
1st Q	-38.5	2.7	-62.6	25.9
Jan.-May	28.7	237.2	-43.0	50.0 3/

1/ $77.3 million for additions and alterations to Tripler Hospital.

2/ Includes $47.2 million for construction of Barber's Point Harbor.

3/ June data for Maui and Kauai Counties estimated.

Source: Trade Publishing Co., Building Industry Digest: BID Service Weekly and First Hawaiian Bank, Research Division.

Table 28.-- HOUSING UNITS AUTHORIZED BY COUNTY: 1976 TO 1982

[Units and value]

		1976	1977	1978	1979	1980	1981	Jan.-May 1/ 1982
SINGLE-FAMILY								
Units	State ..	3,383	4,891	5,219	6,181	4,058	2,649	700
	Oahu	1,384	2,281	2,270	3,156	1,645	728	151
	Hawaii ...	821	1,074	1,382	1,445	1,204	1,048	360
	Kauai	297	445	567	556	401	409	93
	Maui	881	1,091	1,000	1,024	808	464	96
Value ($ mill.)	State ..	107.3	164.7	221.3	295.0	197.7	161.9	38.3
	Oahu	51.1	83.2	114.8	170.7	88.7	54.8	12.9
	Hawaii ...	23.0	31.9	44.7	51.6	46.2	42.7	13.2
	Kauai	10.9	17.0	25.7	31.3	27.9	33.5	8.0
	Maui	22.3	32.6	36.1	41.4	35.0	30.9	4.3
MULTI-FAMILY								
Units	State ..	3,751	3,129	4,235	6,351	6,603	3,142	271
	Oahu	3,397	2,389	1,968	1,804	3,297	1,873	73
	Hawaii ...	129	129	334	718	727	270	80
	Kauai	4	83	610	1,125	766	64	118
	Maui	221	528	1,324	2,704	1,813	935	0
Value ($ mill.)	State ..	112.7	113.2	178.7	240.2	482.5	236.5	26.5
	Oahu	99.6	83.3	81.3	78.7	213.1	132.4	3.7
	Hawaii ...	2.0	3.3	11.9	34.3	54.9	24.6	18.1
	Kauai	0.1	2.8	21.4	66.1	43.2	2.7	4.8
	Maui	11.0	23.8	64.1	61.1	171.3	76.7	0

1/ Excludes March-May data for Maui County because of late reporting.
Source: County building departments.

Table 29.-- NUMBER OF SINGLE-FAMILY HOUSING UNITS AUTHORIZED BY COUNTY: 1970 TO 1982 1/

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	5,611	4,017	790	326	478
1975	3,233	1,155	838	343	897
1976	3,383	1,384	821	297	881
1977	4,891	2,281	1,074	445	1,091
1978	5,219	2,270	1,382	567	1,000
1979	6,181	3,156	1,445	556	1,024
1980	4,058	1,645	1,204	401	808
1981	2,649	728	1,048	409	464
1981 1st Q	775	234	269	137	135
2nd Q	697	217	279	105	96
3rd Q	638	176	290	71	101
4th Q	539	101	210	96	132
1982 1st Q 2/ .	437	82	197	62	96
Jan-May 2/	700	151	360	93	96
	Percent change from previous year				
1978	6.7	0.5	28.7	27.4	-8.3
1979	18.4	39.0	4.6	-1.9	2.4
1980	-34.4	-47.9	-16.7	-27.9	-21.1
1981	-34.7	-55.7	-13.0	2.0	-42.6
	Percent change from corresponding period in previous year				
1981 1st Q	-31.6	-52.6	-15.1	28.0	-37.2
2nd Q	-33.3	-48.3	-20.1	18.0	-48.7
3rd Q	-28.1	-32.8	12.4	-34.9	-60.9
4th Q	-45.6	-78.5	-25.0	0.0	-10.8
1982 1st Q 2/ .	-40.1	-65.0	-26.8	-54.7	6.7
Jan-May 2/	-39.0	-60.0	-22.3	-57.1	6.7

NA Not available.
1/ Includes duplexes.
2/ Includes only January and February authorizations for Maui County.
Source: County building departments.

Table 30.-- NUMBER OF MULTI-FAMILY HOUSING UNITS AUTHORIZED BY COUNTY: 1970 TO 1982 1/

Year	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
1970	4,620	3,673	389	67	491
1975	6,992	4,186	498	202	2,106
1976	3,751	3,397	129	4	221
1977	3,129	2,389	129	83	528
1978	4,236	1,968	334	610	1,324
1979	6,351	1,804	718	1,125	2,704
1980	6,603	3,297	727	766	1,813
1981 2/	3,142	1,873	270	64	935
1981 1st Q	742	155	21	46	520
2nd Q	1,877	1,576	0	0	301
3rd Q	409	44	249	18	98
4th Q	114	98	0	0	16
1982 1st Q 2/ .	191	73	0	118	0
Jan.-May 2/	271	73	80	118	0
	Percent change from previous year				
1978	39.1	-1.8	158.9	3/	150.8
1979	49.9	-8.3	115.0	84.4	104.2
1980	4.0	82.8	1.3	-31.9	-33.0
1981	-52.4	-43.2	-62.9	-91.6	-48.4
	Percent change from corresponding period in previous year				
1981 1st Q	-40.2	-60.9	-74.1	79.5	3.0
2nd Q	71.1	160.9	-100.0	-100.0	10.3
3rd Q	-71.3	-94.5	-24.5	-96.6	-85.9
4th Q	-94.9	-93.5	-100.0	-100.0	-94.9
1982 1st Q 2/ .	-63.5	-52.9	-100.0	156.5	-
Jan.-May 2/	-88.1	-95.7	280.9	156.5	-

NA Not available.
1/ Three or more units per structure.
2/ Includes only January and February authorizations for Maui County.
Source: County building departments.

Table 31.-- CONSTRUCTION EMPLOYMENT AND EARNINGS: 1970 TO 1982

Year	Total jobs	Average weekly hours	Full-time equivalent jobs 2/	Insured unemployed persons	% unemployed 1/	Average hourly earnings (in dollars)
1970	25,750	38.9	25,050	1,150	4.4	5.56
1975	26,350	37.9	24,950	4,150	14.3	7.81
1976	21,400	36.2	19,350	5,650	22.6	8.80
1977	19,750	35.7	17,650	4,150	19.1	9.87
1978	20,650	36.6	18,900	2,500	11.7	10.53
1979	23,400	36.0	21,050	1,700	7.5	11.05
1980	23,950	36.2	21,700	2,650	10.9	11.85
1981	22,300	36.1	20,150	3,500	14.8	13.18
1981 1st Q	22,950	38.9	22,300	3,000	11.2	12.78
2nd Q	22,450	34.8	19,550	3,450	14.1	12.98
3rd Q	22,350	36.3	20,300	3,500	13.8	13.16
4th Q	21,450	34.3	18,400	4,000	17.9	13.80
1982 1st Q	20,350	34.5	17,550	4,750	21.3	13.98
	Percent change from previous year					
1975	-5.6	0.3	-5.3	66.0	-	8.3
1976	-18.8	-4.5	-22.4	36.1	-	12.7
1977	-7.7	-1.4	-8.8	-26.5	-	12.2
1978	4.6	2.5	7.1	-39.8	-	6.7
1979	13.3	-1.6	11.4	-32.0	-	4.9
1980	2.4	0.6	3.1	55.9	-	7.2
1981	-6.9	-0.3	-7.1	32.1	-	11.2
	Percent change from corresponding quarter in previous year					
1981 1st Q	-8.1	11.1	3.2	39.5	-	10.1
2nd Q	-9.1	-5.4	-13.9	60.5	-	11.7
3rd Q	-3.2	-2.9	-10.0	2.9	-	11.1
4th Q	-6.7	-2.8	-13.6	37.9	-	12.3
1982 1st Q	-11.3	-11.3	-21.3	58.3	-	9.4

1/ Percent unemployed is defined as the percentage of insured persons to the total of insured unemployed and full-time equivalent jobs.

2/ Equivalent number of jobs if all workers had worked a 40-hour week.

Source: Hawaii State Department of Labor and Industrial Relations.

Table 32.-- HONOLULU CONSTRUCTION COST INDEXES: 1970 TO 1982

[1967=100.]

Year 1/	Single-family residence			High-rise building		
	All components	Material prices	Labor 2/	All components	Material prices	Labor 2/
1970	118.0	112.9	124.5	117.9	109.3	125.2
1975	175.7	167.1	186.6	178.8	171.3	185.3
1979	266.2	248.3	288.8	264.3	237.6	287.5
1980	283.2	263.8	307.8	290.1	270.5	307.1
1981	291.2	254.2	336.6	308.2	274.6	337.4
1981						
Mar. ...	288.6	254.2	332.0	304.6	272.4	332.6
June ...	287.1	250.3	333.6	304.9	271.8	333.6
Sept. ..	297.1	254.7	350.5	314.3	273.1	350.0
Dec. ...	296.3	251.4	352.7	318.8	281.1	351.6
1982						
Mar. ...	301.2	250.1	365.6	326.5	281.4	365.6
	Percent change from previous year					
1979	9.4	13.5	5.2	9.5	16.1	5.3
1980	6.4	6.2	6.6	9.8	13.8	6.8
1981	2.8	-3.6	9.4	6.3	1.5	9.9
	Percent change from corresponding period in previous year					
1981						
Mar. ...	0.8	-7.1	9.8	5.9	0.6	10.1
June ...	3.6	-2.3	10.0	6.7	2.1	10.2
Sept. ..	3.2	-3.0	9.7	5.3	-0.6	9.6
Dec. ...	2.9	-4.1	10.1	6.9	2.9	9.9
1982						
Mar. ...	4.4	-1.6	10.1	7.2	3.5	9.9

1/ Annual averages unless otherwise specified.
2/ Includes wages and benefits.
Source: First Hawaiian Bank, Research Division.

Table 33.-- AVERAGE VALUE AND RENT OF HOUSING UNITS, BY COUNTIES: 1980

[In dollars.]

Tenure, type of unit and occupancy status	State	City and County of Honolulu	Hawaii County	Kauai County	Maui County
VALUE OR PRICE ASKED					
Non-condominium units:					
Owner-occupied	128,100	139,800	82,200	104,600	121,600
Vacant-for-sale	131,000	139,800	106,200	116,900	176,300
Condominium units:					
Owner-occupied	113,100	111,400	104,600	147,600	157,900
Vacant-for-sale	130,800	114,300	164,900	218,000	167,000
CONTRACT RENT OR RENT ASKED (MONTHLY)					
Renter paying cash ...	287	296	229	209	299
Vacant for rent	443	431	401	490	474

Source: U.S. Bureau of the Census, Census of Population and Housing, 1980: Summary Tape File 1A, Hawaii (1981).

Table 34.-- CHARACTERISTICS OF YEAR-ROUND HOUSING UNITS BY TENURE: 1980

[Data are estimates based on a sample.]

Housing characteristics	Year-round housing units 1/	Owner-occupied 2/	Renter-occupied 2/
Total housing units ..	333,568	151,954	142,098
Units in structure			
1, detached	155,308	110,643	38,934
1, attached	12,034	4,496	7,013
2	15,743	5,069	9,741
3 and 4	15,550	3,408	11,393
5 or more	134,413	28,153	74,779
Mobile home, etc.	520	185	238
Year structure built			
1979 to March 1980	17,353	7,147	4,428
1975 to 1978	40,695	17,953	14,879
1970 to 1974	71,586	35,275	23,722
1960 to 1969	92,442	44,367	40,903
1950 to 1959	51,625	23,950	24,761
1940 to 1949	26,643	9,755	15,483
1939 or earlier	33,224	13,507	17,922
Bedrooms			
None	22,912	1,701	15,478
1	63,175	12,990	36,847
2	92,472	31,454	46,190
3	110,445	73,380	32,552
4	35,216	24,846	9,483
5 or more	9,348	7,583	1,548

1/ Includes vacant units.
2/ Occupied units only.
Source: U.S. Bureau of the Census, 1980 Census of Population and Housing Supplementary Report (PHC80-S1-1), Provisional Estimates of Social, Economic and Housing Characteristics, table H-2.

7. MAJOR SOURCES OF INCOME

Defense expenditures in Hawaii during the first quarter of 1982 increased 18 percent over the corresponding quarter a year before (table 36). The gain follows a 19.5 percent increase in expenditures during the fourth quarter of 1981 from a year before.

The value of canned pineapple shipments in the first four months of 1982 was up 65.8 percent from the year before (table 37). Canned pineapple shipments in 1981 declined 11.1 percent from the year before.

Sugar processing continues to suffer from the low price level in the market. The total value of processed raw sugar shipments in the first four months of 1982 declined 41.4 percent below the previous year's first four months level (table 37). The price of raw sugar on the New York spot market was about 22 cents per pound in early July compared to about 19 cents a pound twelve months earlier.

Table 35.--DIRECT INCOME OR SALES OF MAJOR EXPORT INDUSTRIES: 1960 TO 1981

[Millions of dollars.]

Year	Visitor expenditures	Defense expenditures	Value of sales	
			Sugar 1/	Pineapple
1960	131	351.4	118.4	119.4
1970	595	639.4	187.8	138.6
1971	705	708.8	202.9	141.4
1972	840	744.2	184.7	145.4
1973	1,020	840.9	222.2	142.4
1974	1,225	897.9	676.6	127.1
1975	1,360	982.9	366.1	136.7
1976	1,640	1,034.2	257.0	144.5
1977	1,845	1,086.6	226.8	161.6
1978	2,146	1,155.5	285.2	162.9
1979	2,537	1,221.7	345.7	206.4
1980	2,875	1,317.4	594.1	223.4
1981 est.	3,200 (p)	1,449.3	325.5	210.0

p Preliminary.

1/ Includes value of molasses.

Source: Hawaii Visitors Bureau; quarterly reports of local commanding officers; Department of Agriculture; Hawaii Sugar Planters' Association; and Bank of Hawaii.

Table 36.-- DEFENSE EXPENDITURES IN HAWAII: 1970 TO 1982 1/

[Millions of dollars.]

Year or quarter	Total	Navy and Marine	Army	Air Force	Coast Guard
1970	639.4	328.7	183.5	114.0	13.2
1975	982.9	469.7	378.3	118.6	16.3
1978	1,155.5	582.3	434.1	117.5	21.6
1979	1,221.7	640.8	429.6	129.3	22.1
1980	1,317.4	711.3	441.8	141.7	22.7
1981	1,449.3	770.4	493.8	158.3	26.7
1981					
1st Q	341.0 2/	177.6	119.2	38.2	6.0 2/
2nd Q	340.0	180.2	116.8	36.2	6.7
3rd Q (r).	371.5	198.2	126.9	39.8	6.6
4th Q	396.8	214.4	130.9	44.1	7.4
1982					
1st Q	402.3	211.0	142.7	41.1	7.4
	Percent change from previous year				
1978	6.4	8.9	3.5	6.1	0.5
1979	5.7	10.1	-1.0	10.0	2.3
1980	7.8	11.0	2.8	9.6	2.7
1981	10.0	8.3	11.8	11.7	17.6
	Percent change from corresponding quarter in previous year				
1981					
1st Q	3.9	-0.7	14.1	-2.1	0.0
2nd Q	6.4	4.8	7.5	11.0	9.8
3rd Q	10.0	6.9	12.3	15.7	37.5
4th Q	19.5	22.5	13.2	23.9	27.6
1982					
1st Q	18.0	18.8	19.7	7.6	23.3

r Revised.

1/ Includes all appropriated expenditures for military and civilian payrolls, services, supplies and construction. Excludes R&R expenditures, dependent allotments, retired military pay and non-appropriated funds for exchanges, clubs, special services, etc.

2/ Estimated in lieu of first quarter report.

Source: Quarterly reports from each branch of service, compiled by DPED.

Table 37.-- VALUE OF PROCESSED SUGAR AND CANNED PINEAPPLE SUBJECT TO STATE EXCISE TAX: 1979 TO 1982 1/

Year	Value of shipments 2/ (millions of dollars)		Percent change from same period in previous year	
	Sugar processing 3/	Pineapple canning	Sugar processing	Pineapple canning
1979	294.1	174.2	(NA)	(NA)
1980	545.3	190.9	85.4	9.6
1981	392.5	169.8	-28.0	-11.1
1981				
1st Q ...	124.2	26.8	47.3	-9.3
2nd Q ...	121.6	50.1	-19.2	-2.2
3rd Q ...	84.4	64.0	-48.2	-11.1
4th Q ...	62.4	28.9	-57.8	-24.3
1982				
1st Q ...	62.9	44.3	-49.4	65.3
Jan.-Apr.	94.7	52.4	-41.4	65.8

NA Not available.

1/ These data are compiled for excise tax purposes and for various reasons differ from annual figures in table 25, prepared by the Hawaii Department of Agriculture. These are, however, the only data available on a monthly or quarterly basis and provide an indication of industry trends.

2/ Processed sugar and canned pineapple are taxed at the time the products enter commerce which may be at a different time than the actual sale.

3/ Includes value of molasses.

8. POPULATION

Table 38.-- RESIDENT POPULATION, BY COUNTIES: 1970 TO 1981

[Includes military personnel and dependents.]

Year 1/	State total	City & Co. of Honolulu	Hawaii County	Kauai County	Maui County
1970 April 1 ..	769,913	630,528	63,468	29,761	46,156
July 1 ...	776,000	634,700	64,500	30,100	46,700
1971	801,000	654,400	67,200	31,100	48,300
1972	828,000	675,700	70,200	31,800	50,300
1973	851,000	693,400	72,900	32,600	52,100
1974	867,000	704,300	75,600	32,800	54,300
1975	884,000	714,300	78,100	34,100	57,500
1976	902,000	726,000	80,600	35,200	60,200
1977	916,000	733,800	83,000	36,200	63,000
1978	929,000	740,300	85,700	37,000	66,000
1979	950,000	754,000	89,000	38,100	68,900
1980 April 1 ..	964,691	762,565	92,053	39,082	70,991
July 1 ...	968,000	764,900	92,600	39,200	71,300
1981	981,000	774,000	95,000	39,400	72,600

1/ July 1 unless otherwise specified.

Source: Hawaii State Department of Planning and Economic Development, The State of Hawaii Data Book 1981, and unpublished provisional estimates by DPED.

Table 39.-- RESIDENT POPULATION, BY MILITARY STATUS: 1970 TO 1981

[Excludes visitors present but includes residents temporarily absent.]

Year 1/	Total resident population	Armed forces	Civilian population		
			All civilians	Military dependents	Not military dependents
1970: April 1 .	769,913	55,142	714,771	61,858	652,913
July 1 ..	776,000	53,200	722,800	57,800	665,000
1971	801,000	50,800	750,200	62,200	688,000
1972	828,000	52,000	776,000	66,200	709,800
1973	851,000	58,100	792,900	70,300	722,600
1974	867,000	57,500	809,500	68,300	741,200
1975	884,000	58,900	825,100	63,700	761,400
1976	902,000	57,800	844,200	67,000	777,200
1977	916,000	56,500	859,500	65,000	794,500
1978	929,000	58,300	870,700	61,100	809,600
1979	950,000	57,900	892,100	64,500	827,600
1980: April 1 .	964,691	61,019	903,672	64,023	839,649
July 1 ..	968,000	61,100	906,800	64,100	842,700
1981	981,000	61,500	919,500	64,300	855,100

1/ As of July 1 unless otherwise specified.

Source: Hawaii State Department of Planning and Economic Development, Preliminary Intercensal Population Estimates, 1970-1980 (Statistical Report 147, July 9, 1981), and unpublished provisional estimates.

Table 40.-- RESIDENT AND DE FACTO POPULATION, BY RESIDENCE STATUS: 1970 TO 1981

Year 1/	Resident population		De facto population 2/	
	Total	Temporarily absent 3/	Total	Visitors present 3/
1970: April 1 ..	769,913	10,300	796,500	36,900
July 1 ...	776,000	10,000	802,900	36,900
1971	801,000	9,400	832,500	40,900
1972	828,000	8,600	869,500	50,100
1973	857,000	9,800	900,700	59,600
1974	867,000	7,800	922,800	63,500
1975	884,000	9,000	941,300	66,300
1976	902,000	9,400	968,100	75,500
1977	916,000	9,000	990,000	83,000
1978	929,000	9,300	1,011,700	92,000
1979	950,000	9,300	1,039,400	98,700
1980: April 1 ..	964,691	9,635	1,052,659	97,603
July 1 ...	968,000	9,600	1,054,900	96,500
1981	981,000	11,100	1,066,000	96,100

1/ As of July 1 unless otherwise specified.

2/ The de facto population is defined as the number of persons physically present in an area, regardless of usual place of residence; it includes visitors present but excludes residents temporarily absent.

3/ Averages for 12-month periods centered on the estimate or census dates.

Source: Hawaii State Department of Planning and Economic Development, Preliminary Intercensal Population Estimates, 1970-1980 (Statistical Report 147, July 9, 1981), and unpublished provisional estimates. Visitors present and residents absent estimated by DPED from data by the Hawaii Visitors Bureau.

Table 41.-- RESIDENT POPULATION, BY AGE: 1980 AND 1981

[Population numbers in thousands.]

Age	April 1, 1980 1/	July 1, 1981 2/	Percent distribution		Percent change, 1980-1981
			1980	1981	
All ages	965	981	100.0	100.0	1.6
Under 5 years	78	82	8.1	8.4	5.3
5 to 17 years	198	195	20.5	19.9	-1.3
18 to 44 years	433	442	44.9	45.1	2.1
45 to 64 years	180	180	18.7	18.3	0.2
65 years and over	76	81	7.9	8.3	5.9
14 years and over	755	767	78.2	78.2	1.6
18 years and over	689	703	71.4	71.7	2.1
21 years and over	631	645	65.4	65.7	2.3

1/ Advance count from 1980 census.
2/ Provisional estimate.
Source: U.S. Bureau of the Census, "Estimates of the Population of States, by Age: July 1, 1981," Current Population Reports, Population Estimates and Projections, Series P-25, No. 13, May 1982.

Table 42.-- RACE BY COUNTIES: 1980

Race 1/	State total	City and County of Honolulu	Hawaii County	Kauai County	Maui County
All races	964,691	762,565	92,053	39,082	70,991
White	318,770	252,455	31,316	11,147	23,852
Black	17,364	16,843	286	66	169
American Indian	2,655	2,088	315	75	177
Eskimo	68	57	6	1	4
Aleut	45	27	12	2	4
Japanese	239,748	189,828	24,476	9,775	15,669
Chinese	56,285	52,814	1,672	520	1,279
Filipino	133,940	97,565	12,709	10,237	13,429
Korean	17,962	16,880	580	136	366
Asian Indian	604	543	25	12	24
Vietnamese	3,463	3,293	127	5	38
Hawaiian	115,500	80,172	17,274	5,704	12,350
Guamanian	1,677	1,559	68	20	30
Samoan	14,073	13,811	132	33	97
Other	42,537	34,630	3,055	1,349	3,503

1/ By self-identification or race of mother. Because of changes in the classification of persons of mixed race (accounting for 27.3 percent of the 1980 total, according to the Hawaii Health Surveillance Program), these 1980 census results are not comparable either to earlier decennial census findings or to those of the Health Surveillance Program.)

Source: U.S. Bureau of the Census, Census of Population and Housing, 1980: Summary Tape File 1A, Hawaii (1981).

Table 43.-- CURRENT ECONOMIC AND DEMOGRAPHIC TRENDS: STATE OF HAWAII

Series 1/	Unit	Period 2/	Number	Percent change	
				From preceding period	From same period in previous year
Resident population					
State	Persons	July 1, 1981	981,000	-	1.3
City and County of Honolulu	Persons	July 1, 1981	774,000	-	1.2
Hawaii County	Persons	July 1, 1981	95,000	-	2.6
Kauai County	Persons	July 1, 1981	39,400	-	0.5
Maui County	Persons	July 1, 1981	72,600	-	1.8
Income					
Total personal income	$ Million	1981	10,881	-	11.5
Per capita income	$	1980	10,101	-	10.6
Consumer price index (Honolulu)					
All items	(1967=100)	April	263.8	0.6 3/	5.5
Food prices	(1967=100)	April	296.5	-0.1 3/	4.1
Construction					
Total private permits	$ Million	1st Q 4/	85.5	-38.7	-61.7
Total residential permits	$ Million	1st Q 4/	33.4	-23.4	-66.9
New single-family units	Number	1st Q 4/	437	-18.9	-40.1
New multi-family units	Number	1st Q 4/	191	67.5	-63.5
Government contracts awarded	$ Million	1st Q	67.3	-63.1	-38.5
Construction cost indexes					
Single family	(1967=100)	March	301.2	0.6 5/	4.4
High-rise buildings	(1967=100)	March	326.5	0.1 5/	7.2
Employment (p)					
Total civilian labor force	Persons	1st Q	448,850	-0.1	0.0
Civilian employment	Persons	1st Q	423,450	-0.2	-0.4
Civilian unemployment	Persons	1st Q	25,350	2.2	5.6
Unemployment rate	Percent	1st Q	5.6	-	-
Total non-agr. jobs	Number	1st Q	401,050	-0.6	-0.9
Visitor industry					
Total visitors	Number	1st Q	1,054,042	-	9.9
Westbound	Number	1st Q	827,977	-	12.9
Eastbound	Number	1st Q	226,065	-	0.1
Visitor expenditures (p)	$ Million	1981	3,200	-	11.3
Hotel units (State)	Number	February	57,968	1.3 6/	2.1
Defense expenditures	$ Million	1st Q	402.3	1.4	18.0
Sugar sales	$ Million	1981 est.	325	-	-45.3
Pineapple sales	$ Million	1981 est.	210	-	-6.0

p Preliminary; Q Calendar Quarter; and NA Not available.
1/ Statewide data unless indicated otherwise.
2/ 1982 data unless indicated otherwise.
3/ From February 1982.
4/ Excludes March data for Maui County.
5/ From December 1981.
6/ From October 1981.